

Nassau County Department of Health

**GROUND WATER
AND
PUBLIC WATER SUPPLY
FACTS**

JUNE 1991



**THOMAS S. GULOTTA
COUNTY EXECUTIVE**

**GEORGE PICKETT, M.D., M.P.H.
COMMISSIONER**

NASSAU COUNTY DEPARTMENT OF HEALTH

**GROUND WATER
AND
PUBLIC WATER SUPPLY
FACTS**

JUNE 1991

**Thomas S. Gulotta
County Executive**

**George Pickett, M.D., M.P.H.
Commissioner**

FOREWORD

The purpose of this report is to present, in a single document, a compilation of groundwater and water supply information. This report updates the information presented in the report dated August 1990.

This report was prepared by Donald H. Myott, P.E., Chief, and the staff of the Office of Groundwater Management, Bureau of the Public Water Supply, under the direction of Michael J. Alarcon, M.C.E., P.E., Director.

This report is part of the Department's continuing programs in public water supply regulation, which are administered in the Department of Health by Stanley Juczak, P.E., M.C.E., Director of Environmental Programs.

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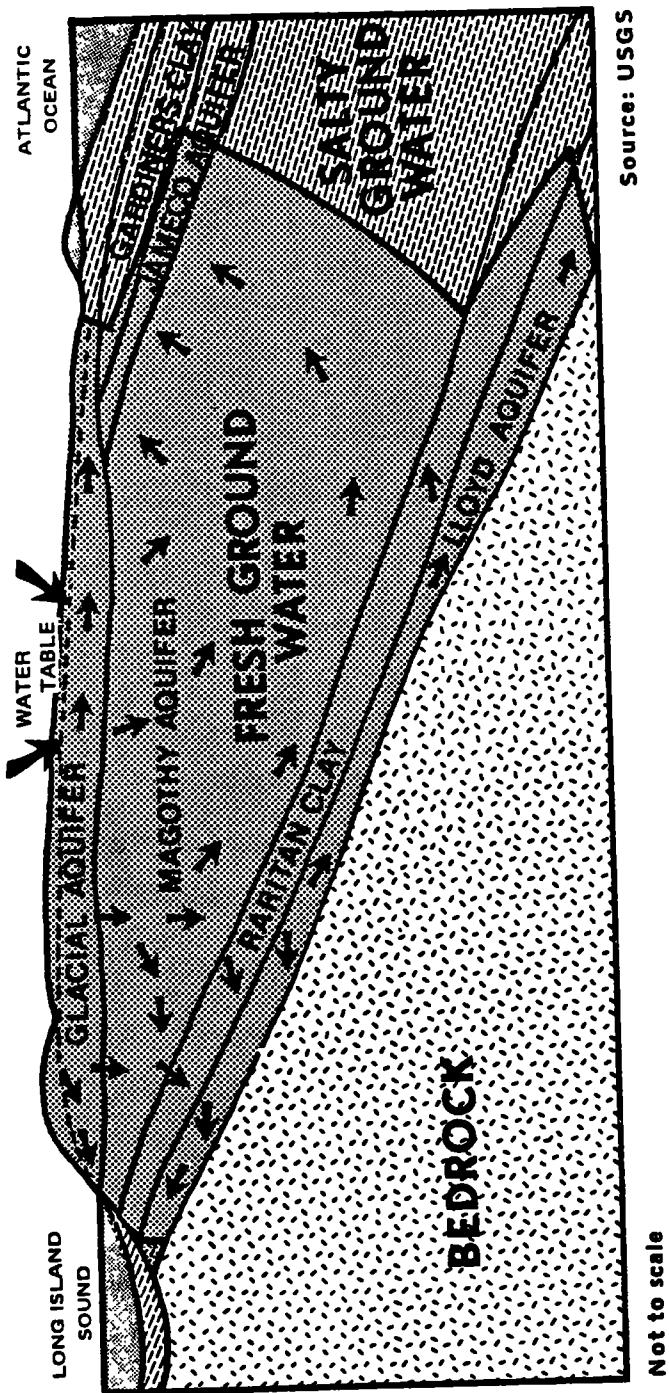
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GEOLOGIC SECTION

NASSAU COUNTY, NEW YORK



NASSAU COUNTY DEPARTMENT OF HEALTH

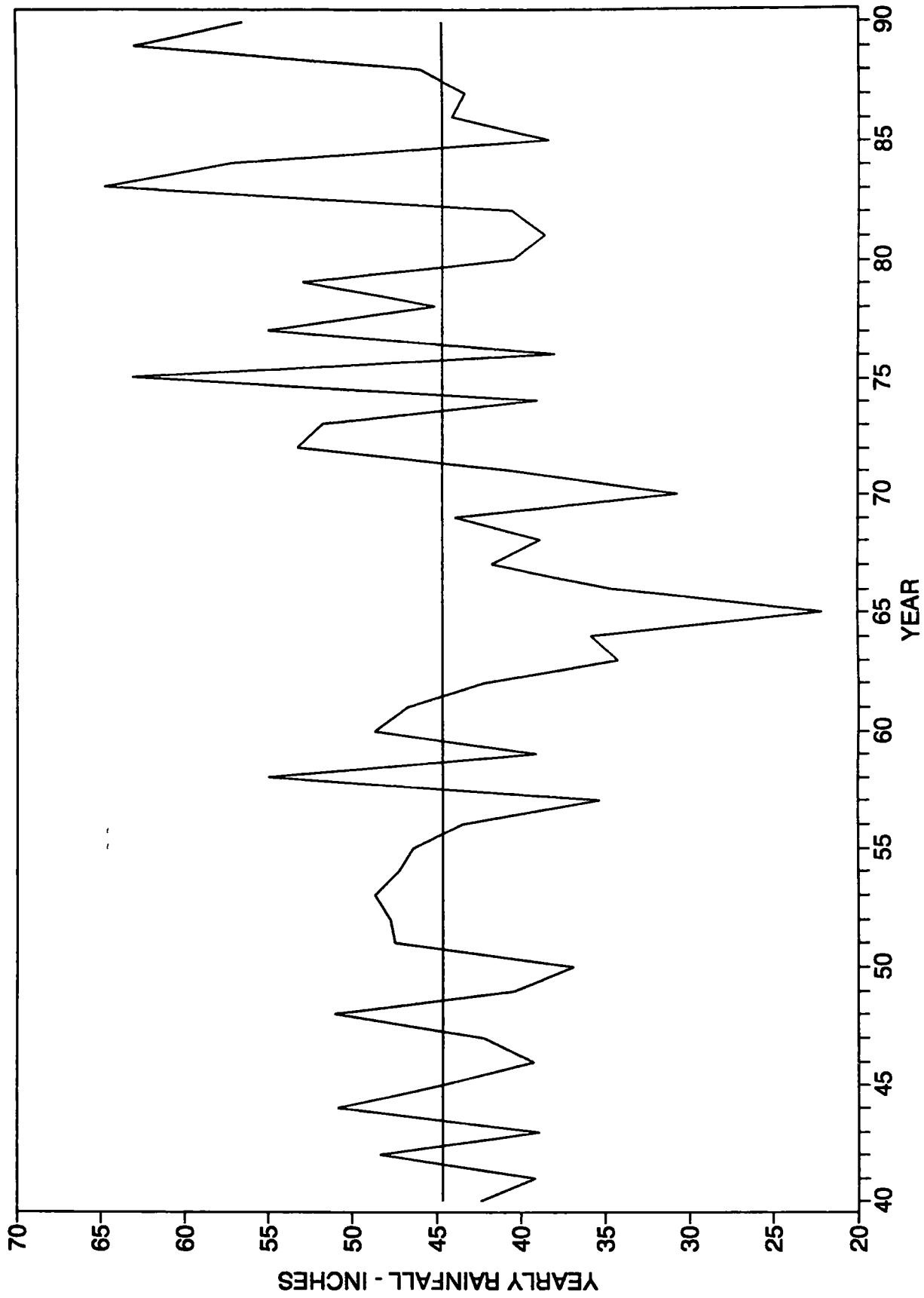
PRECIPITATION AT MINEOLA

YEAR (1)	RAINFALL (INCHES) (2)	YEAR (3)	RAINFALL (INCHES) (4)	YEAR (5)	RAINFALL (INCHES) (6)
1937	44.77	1956	43.44	1975	63.04
1938	52.67	1957	35.33	1976	37.91
1939	38.39	1958	55.04	1977	55.01
1940	42.36	1959	39.01	1978	45.08
1941	39.12	1960	48.66	1979	52.86
1942	48.30	1961	46.71	1980	40.36
1943	38.85	1962	42.21	1981	38.53
1944	50.85	1963	34.19	1982	40.47
1945	44.62	1964	35.83	1983	64.64
1946	39.22	1965	22.04	1984	57.13
1947	42.16	1966	34.76	1985	38.31
1948	51.06	1967	41.69	1986	44.06
1949	40.40	1968	38.80	1987	43.31
1950	36.88	1969	43.88	1988	45.92
1951	47.47	1970	30.67	1989	62.90
1952	47.73	1971	40.80	1990	56.41
1953	48.68	1972	53.26		
1954	47.25	1973	51.70		
1955	46.39	1974	38.99		

54 YEAR AVERAGE (1937 - 1990) 44.63 INCHES

SOURCE: Nassau County Department of Public Works (NOAA cooperator).

YEARLY RAINFALL AT MINEOLA, N.Y.
1940-1990



NASSAU COUNTY DEPARTMENT OF HEALTH

YEARLY AVERAGE STP FLOWS TO SURFACE WATER

1960 - 1990

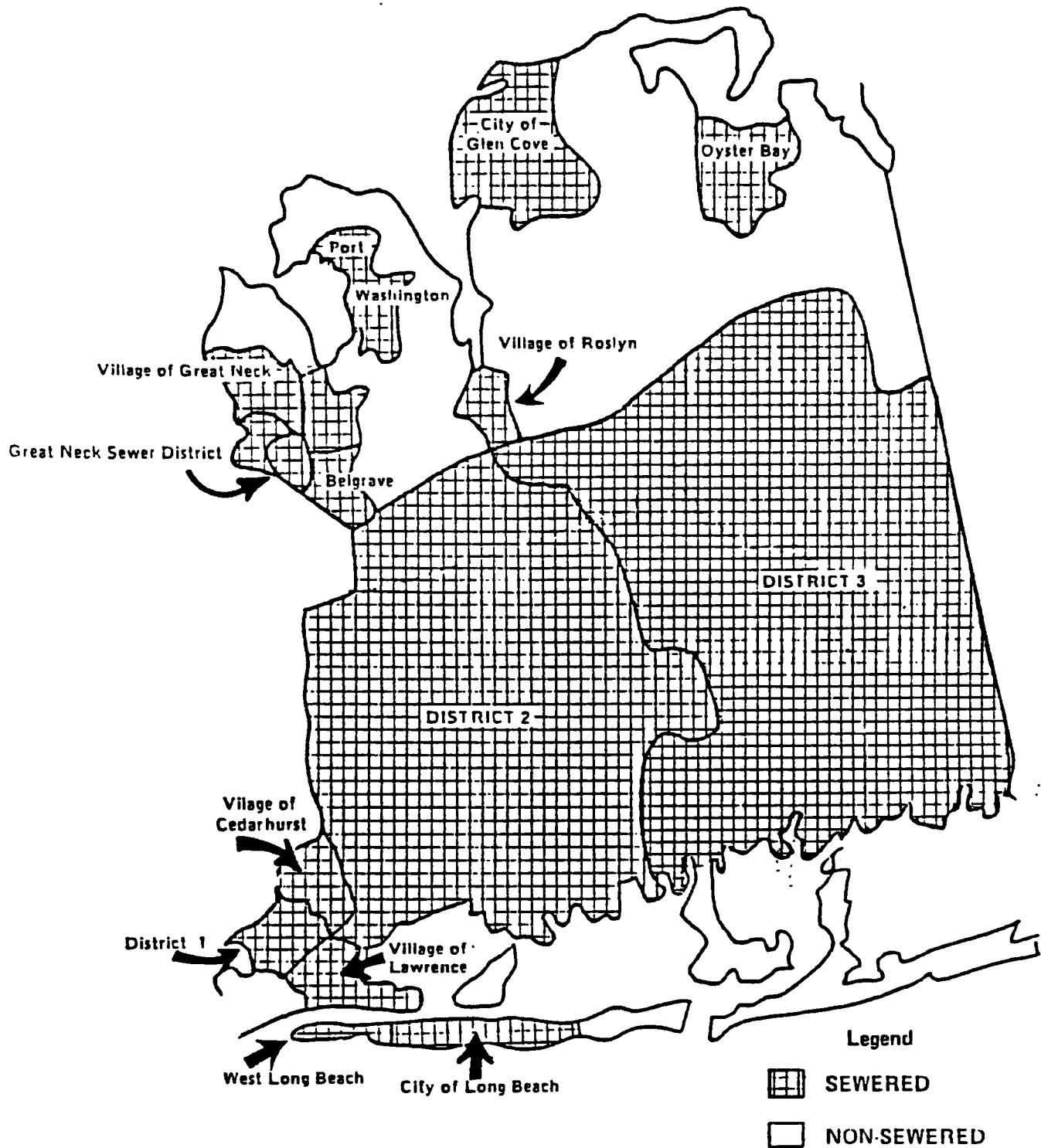
YEAR (1)	STP FLOW (MGD) (2)	YEAR (3)	STP FLOW (MGD) (4)	YEAR (5)	STP FLOW (MGD) (6)
1960	61.7				
1961	65.7	1971	98.8	1981	118.9
1962	70.6	1972	97.9	1982	123.5
1963	73.5	1973	102.9	1983	134.3
1964	73.3	1974	95.9	1984	142.4
1965	75.3	1975	104.9	1985	141.1
1966	77.3	1976	100.4	1986	131.1
1967	79.6	1977	105.3	1987	134.6
1968	83.5	1978	112.7	1988	133.3
1969	87.5	1979	113.8	1989	142.3
1970	94.2	1980	121.7	1990	139.1

Source: STP Monthly Operating Reports submitted to NCDH

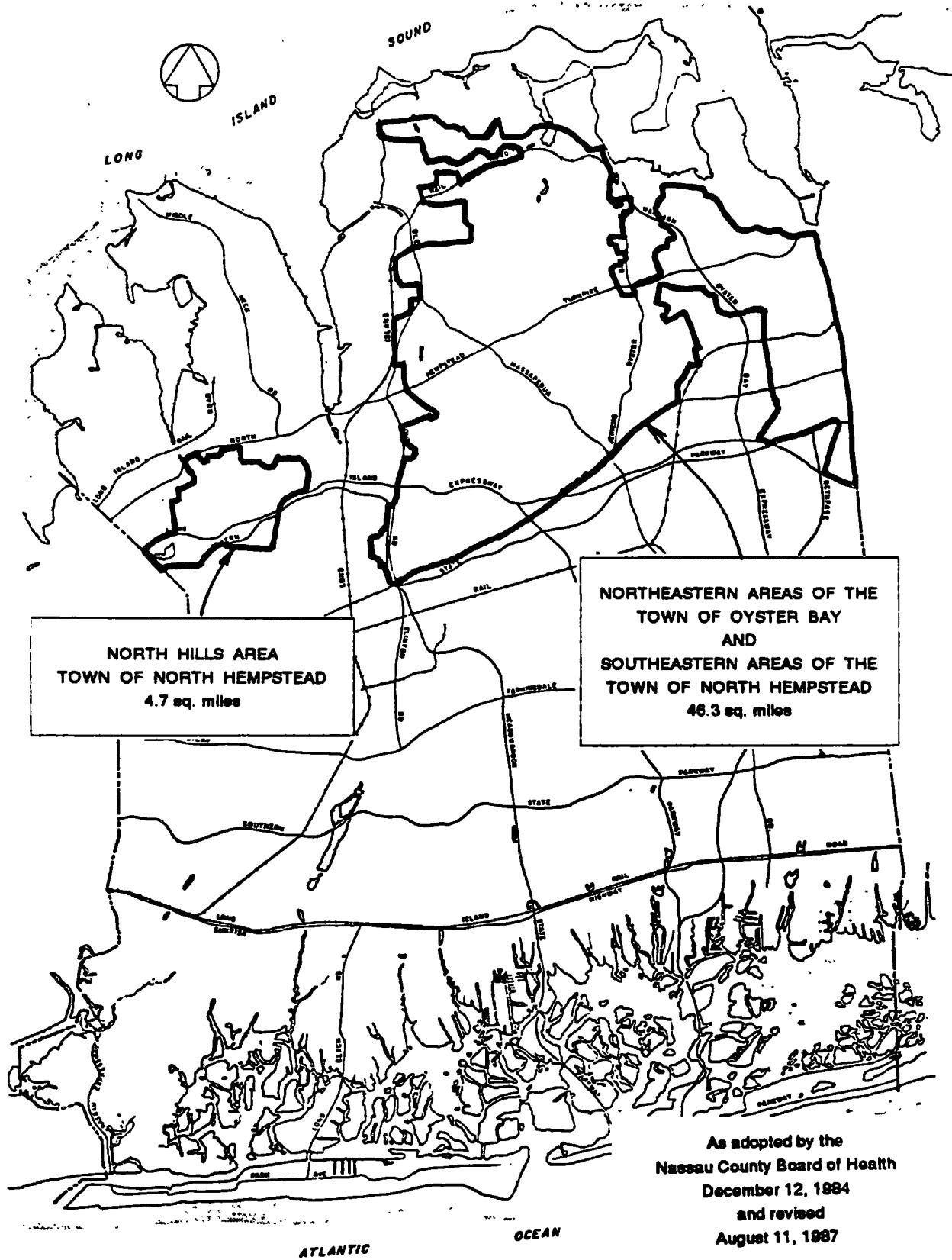
Note: Flows prior to 1986 may be 15% TO 20% lower than reported due to reporting error at the Bay Park Plant.

NASSAU COUNTY DEPARTMENT OF HEALTH

SEWER DISTRICTS IN NASSAU COUNTY
MARCH 1987

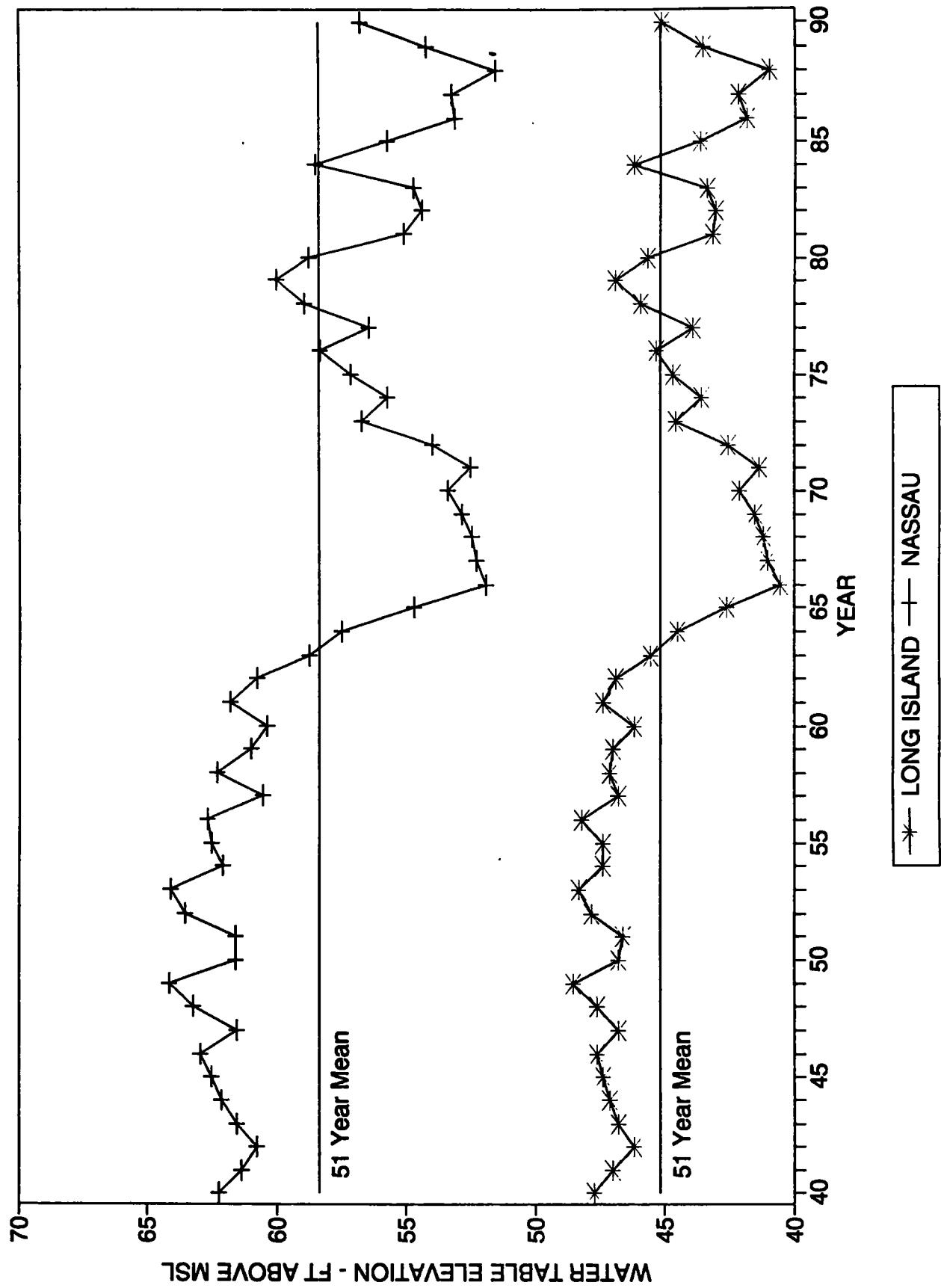


SPECIAL GROUNDWATER PROTECTION AREAS
NCPHO ARTICLE X



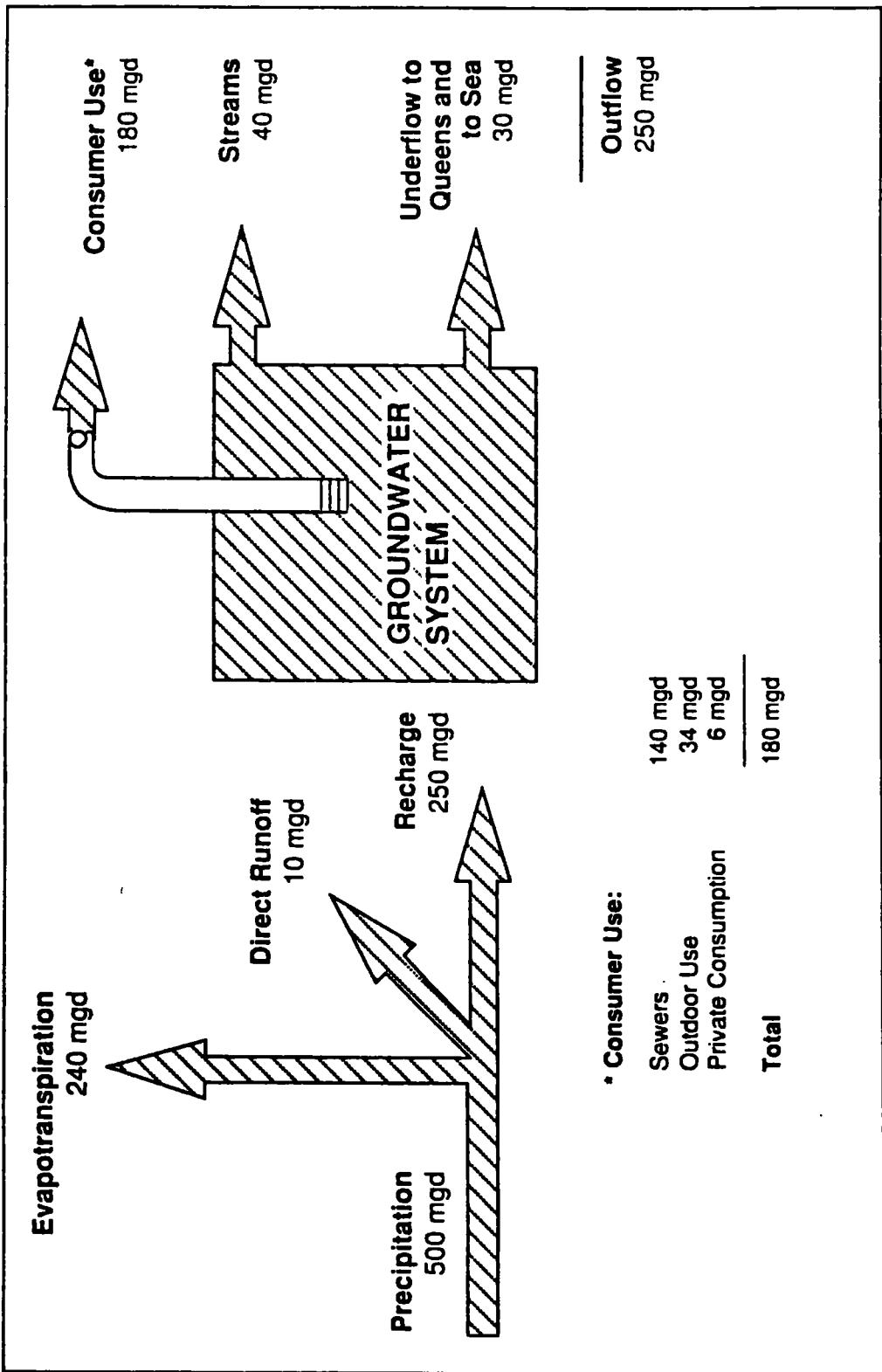
As adopted by the
Nassau County Board of Health
December 12, 1984
and revised
August 11, 1987

YEARLY AVERAGE WATER LEVELS
From USGS data 1940-1990



NASSAU COUNTY DEPARTMENT OF HEALTH

WATER BALANCE - NASSAU COUNTY
AVERAGE FOR LATE 1980'S



SOURCE: Nassau County Comprehensive Water Management Plan, Vol. 1, July 1989. NCDPW

NASSAU COUNTY DEPARTMENT OF HEALTH

**PUBLIC WATER SUPPLY AND MONITORING WELLS
IN NCDH MONITORING SYSTEM**

OCTOBER 23, 1990

TYPE OF WELL (1)	TOTAL WATER SUPPLIES (2)	TOTAL WELLS (3)	GLACIAL WELLS (4)	MAGOOTHY WELLS (5)	LLOYD WELLS (6)	OTHER (a) WELLS (7)
1. PUBLIC						
a. COMMUNITY	51	406	36	327	39	4
b. NON-COMMUNITY	7	15	5	9	1	0
TOTAL	58	421	41	336	40	4
2. NON-PUBLIC						
a. MONITORING (b)	—	433	273	144	11	5

(a) Other includes the Jameco and Port Washington Aquifers.

(b) Monitoring wells include only those NCDPW observation wells, industrial wells, air conditioning wells, irrigation wells, or special groundwater investigation wells tested by the NCDH for water quality.

DEFINITIONS:

1. **Public Water System** means either a community or non-community system which provides piped water to the public for human consumption, if such system has at least five service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. **Community Water System** means a public water system which serves at least five service connections used by year-round residents or regularly serves at least 25 year-round residents.
3. **Non-Community Water System** means a public water system that is not a community water system.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SYSTEMS IN NASSAU COUNTY

DECEMBER 1990

A. COMMUNITY SYSTEMS (51)

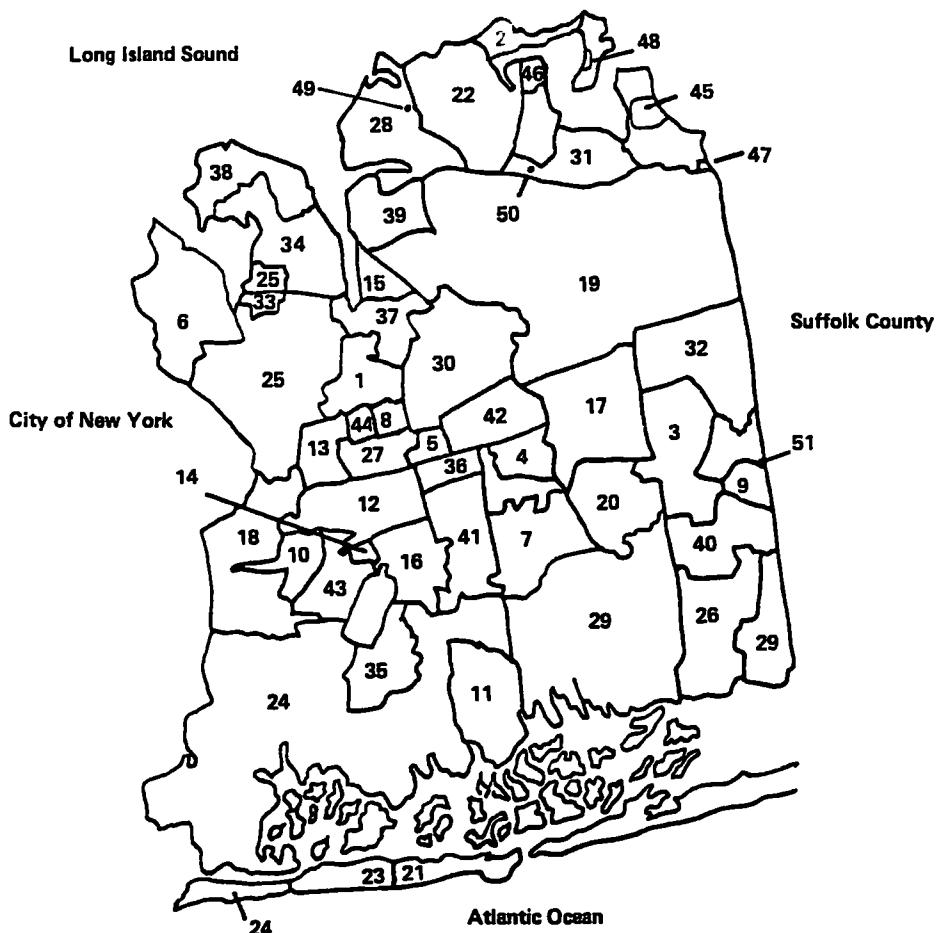
Albertson Water District	Massapequa Water District
Bayville (Village)	Mill Neck Estates Water Supply
Bethpage Water District	Mineola (Village)
Bowling Green Water District	New York Water Service Corp
Carle Place Water District	Northeast Farmingdale Water District
DeForest Drive Association	North Shore University Hospital at Glen Cove
East Meadow Water District	Old Westbury (Village)
East Williston (Village)	Oyster Bay Water District
Farmingdale (Village)	Plainview Water District
Franklin Square Water District	Plandome (Village)
Freeport (Village)	Planting Fields Arboretum Water Supply
Garden City (Village)	Port Washington Water District
Garden City Park Water District	Rockville Centre (Village)
Garden City South Water District	Roosevelt Field Water District
Glen Cove City	Roslyn Water District
Glenwood Water District	Sands Point (Village)
Hempstead (Village)	Sea Cliff Water Company
Hicksville Water District	South Farmingdale Water District
Jamaica Water Supply Co	Split Rock Water Supply
Jericho Water District	Swan Cove Water Supply
Levittown Water District	Unlendale Water District
Lido-Pt Lookout Water District	Water Authority of Great Neck North
Locust Valley Water District	Westbury Water District
Long Beach City	West Hempstead-Hempstead Gardens
Long Island Water Corp	Water District
Manhasset-Lakeville Water District	Williston Park (Village)

B. NON-COMMUNITY SYSTEMS (7)

LOCATION

Beaver Dam Winter Sports Club	Locust Valley
Bethpage State Park	Farmingdale
Glen Head Country Club	Sea Cliff
Jones Beach State Park	Wantagh
Sagamore Hill	Oyster Bay
Seawanhaka Yacht Club	Centre Island
Tobay Beach	Wantagh

NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS



- | | |
|--|---|
| 1. Albertson Water District | 27. Mineola Village |
| 2. Bayville Village | 28. Glen Cove City |
| 3. Bethpage Water District | 29. New York Water Service - Merrick Division |
| 4. Bowling Green Water District | 30. Old Westbury Village |
| 5. Carle Place Water District | 31. Oyster Bay Water District |
| 6. Water Authority of Great Neck North | 32. Plainview Water District |
| 7. East Meadow Water District | 33. Plandome Village |
| 8. East Williston Village | 34. Port Washington Water District |
| 9. Farmingdale Village | 35. Rockville Centre Village |
| 10. Franklin Square Water District | 36. Roosevelt Field Water District |
| 11. Freeport Village | 37. Roslyn Water District |
| 12. Garden City Village | 38. Sands Point Village |
| 13. Garden City Park Water District | 39. Sea Cliff Water Company |
| 14. Garden City South Water District | 40. South Farmingdale Water District |
| 15. Glenwood Water District | 41. Uniondale Water District |
| 16. Hempstead Village | 42. Westbury Water District |
| 17. Hicksville Water District | 43. West Hempstead-Hempstead Gardens Water District |
| 18. Jamaica Water Supply Company | 44. Williston Park Village |
| 19. Jericho Water District | 45. Swan Cove Water Supply (Cove Neck) |
| 20. Levittown Water District | 46. Mill Neck Estates Water Supply |
| 21. Lido-Point Lookout Water District | 47. DeForest Drive Association |
| 22. Locust Valley Water District | 48. Split Rock Water Supply |
| 23. Long Beach City | 49. North Shore University Hospital at Glen Cove |
| 24. Long Island Water Corporation | 50. Planting Fields Arboretum Water Supply |
| 25. Manhasset-Lakeville Water District | 51. Northeast Farmingdale Water District |
| 26. Massapequa Water District | |

Blank Areas - Parks, Lakes or Served by Private Wells

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY INFORMATION
COMMUNITY WATER SYSTEMS IN NASSAU COUNTY

1990

WATER SUPPLY	WELLS		TANKS		INTER-CONNECT- IONS	SERVICES	
	No.	AUTH CAPACITY (MGD)	No.	STORAGE CAPACITY (MG)		No.	METERED (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ALBERTSON W.D.	5	7.95	3	3.50	6	4,005	100%
BAYVILLE (V)	4	5.76	1	0.60	2	2,440	100%
BETHPAGE W.D.	9	18.11	2	2.75	14	8,317	100%
BOWLING GREEN W.D.	2	4.03	1	2.00	3	3,014	100%
CARLE PLACE W.D.	5	7.80	1	0.50	5	2,930	100%
GREAT NECK NORTH, W.A. of	11	16.78	3	2.00	2	7,655	100%
DeFOREST DRIVE ASSOC *	1	0.06	1	0.02	0	9	0%
EAST MEADOW W.D.	11	20.00	2	2.75	11	12,935	100%
EAST WILLISTON (V)	0	-	0	-	4	856	100%
FARMINGDALE (V)	4	5.54	2	0.90	5	2,240	100%
FRANKLIN SQUARE W.D.	5	8.64	2	1.00	6	5,136	100%
FREEPORT (V)	9	17.39	2	1.50	4	10,000	100%
GARDEN CITY (V)	10	19.05	5	5.10	21	6,686	100%
GARDEN CITY PARK W.D.	11	16.42	2	2.50	9	6,578	100%
GARDEN CITY SOUTH W.D.	0	-	0	-	5	352	100%
GLEN COVE CITY	8	13.74	3	4.25	3	7,383	100%
NORTH SHORE UNIV HOSP @ GC *	1	1.56	2	0.04	1	1	100%
GLENWOOD W.D.	0	-	0	-	4	181	100%
HEMPSTEAD (V)	9	15.70	4	3.75	13	8,889	100%
HICKSVILLE W.D.	20	39.33	5	7.25	10	15,570	100%
JAMAICA WATER SUPPLY CO	24	40.47	7	11.85	9	27,794	100%
JERICHO W.D.	22	37.50	6	8.79	18	18,226	100%
LEVITTOWN W.D.	12	19.87	2	2.50	5	11,910	100%
LIDO-PT LOOKOUT W.D.	3	4.90	2	1.50	1	1,884	100%
LOCUST VALLEY W.D.	5	8.66	1	1.00	5	2,379	100%
LONG BEACH CITY	8	14.18	3	3.83	2	7,560	100%
LONG ISLAND WATER CORP	38	84.14	12	15.31	13	72,283	100%
MANHASSET-LAKEVILLE W.D.	17	31.75	6	8.50	11	9,960	100%
MASSAPEQUA W.D.	8	16.50	4	4.00	7	13,750	100%
MILL NECK ESTATES W.S. *	2	0.32	1	0.06	0	85	0%
MINEOLA (V)	6	9.00	2	2.00	12	5,440	100%
NEW YORK W.S. CORP	18	49.46	5	5.75	9	44,193	100%
N/E FARMINGDALE W.D.	0	-	0	-	1	108	100%
OLD WESTBURY (V)	5	6.92	2	2.00	10	1,450	100%
OYSTER BAY W.D.	8	7.20	4	1.80	2	2,410	100%
PLAINVIEW W.D.	11	20.43	3	4.75	9	10,185	100%
PLANDOME (V)	3	2.09	1	0.02	2	431	100%

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY INFORMATION
COMMUNITY WATER SYSTEMS IN NASSAU COUNTY

1990

WATER SUPPLY	WELLS		TANKS		INTER-CONNECT-IONS	SERVICES	
	No.	AUTH CAPACITY (MGD)	No.	STORAGE CAPACITY (MG)		No.	METERED (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PLANTING FIELDS ARBOR W.S. *	0	-	4	0.04	1	5	100%
PORT WASHINGTON W.D.	13	14.85	4	22.38	9	8,509	100%
ROCKVILLE CENTRE (V)	11	19.30	4	3.75	4	7,291	81%
ROOSEVELT FIELD W.D.	6	10.76	1	1.00	7	377	100%
ROSLYN W.D.	8	13.97	4	6.30	10	5,743	100%
SANDS POINT (V)	6	5.11	3	0.65	3	1,245	100%
SEA CLIFF WATER CO	3	6.52	2	0.74	5	4,248	100%
SOUTH FARMINGDALE W.D.	11	20.74	4	3.20	17	12,500	100%
SPLIT ROCK W.S. *	1	0.04	1	<0.01	0	9	0%
SWAN COVE W.S. *	1	0.14	1	0.13	0	20	0%
UNIONDALE W.D.	6	10.80	1	1.25	16	5,761	100%
WESTBURY W.D.	11	19.80	2	2.50	5	5,853	100%
W HEMP-HEMP GARDENS W.D.	10	16.92	3	2.65	9	8,366	100%
WILLISTON PARK (V)	4	7.31	2	2.00	9	2,400	100%
NASSAU COUNTY TOTAL	406	717.51	138	160.66	339	397,552	99.6%

SOURCES:

(2) NCDH records, includes wells not used but not abandoned.

(3) 1991 Water Supply Emergency Plan.

Capacity authorized by NYSDEC as part of well permit. All may not be usable.

(4) 1991 Water Supply Emergency Plan.

(5) 1991 Water Supply Emergency Plan.

(6) 1991 Water Supply Emergency Plan.

(7) 1990 Annual Inspection Report (GEN 200), NCDH, or 1991 Sampling Site Plan.

(8) Public Water System Annual Inspection Reports (GEN 200), NCDH, 1990.

* Items (2),(3),(4),(5) and (6) from NCDH records for these systems.

NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL

TREATMENT CODES

- 0 – None
- 1 – Chlorination (Routine)
- 2 – Chlorination (Emergency)
- 3 – Corrosion Control
 - a – Caustic Soda
 - b – Lime
 - c – Zinc orthophosphate (Inhibitor)
- 4 – Sequestration
 - a – Sodium Hexametaphosphate
 - b – Linear Chained Polyphosphate ("Aqua-Mag")
 - c – Sodium Silicate
 - d – Zinc metaphosphate
- 5 – Fluoridation
- 6 – VOC Removal
 - a – Air Stripping
 - b – Granular Activated Carbon (GAC)
- 7 – NO₃ Removal
 - a – Ion Exchange
- 8 – Iron Removal
 - a – Filtration
 - b – Aeration
 - c – Sedimentation
 - d – Coagulation
- 9 – Algae Control
 - a – Copper Sulfate
- 10 – Taste and Odor Control
 - a – Chlorination
 - b – Aeration
- 11 – Other
 - a – Polymers
 - b – Magnasite
 - c – Alum
- 12 – Treated Water Purchased
 - a – Williston Park (V)
 - b – West Hempstead W.D.
 - c – Roslyn W.D.
 - d – Farmingdale (V)
 - e – Locust Valley W.D.

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
ALBERTSON W.D.	1	3732	2,3a
	2	3733	2,3a
	3	4327	2,3a,6a
	4	5947	2,3a,6a
	5	8558	2,3a
BAYVILLE (V)	1-1	7620	2,3a
	1-2	7643	2,3a
	1-3	8776	2,3a
	2-1	10144	2,3a
BETHPAGE W.D.	5-1	8004	2,3a
	6-1	3876	2,3a,6a
	6-2	8941	2,3a,6a
	7A	8767	2,3a
	8A	8768	2,3a
	9	6078	2,3a
	10	6915	2,3a
	11	6916	2,3a
	BDG-1	9591	2,3a
	1	8956	1,3b
	2	8957	1,3b
CARLE PLACE W.D.	1	2747	2,3a,5
	2	2748	2,3a,5
	3	4206	2,3a,5
	4	6315	2,3a,5
	5	8457	2,3a,5
DEFOREST DRIVE W.S.	1	6953	1
EAST MEADOW W.D.	1	3456	1,3b
	2	3457	1,3b
	3	3465	1,3b
	4	4447	1,3b
	5	4448	1,3b
	6	5318	1,3b
	7	5319	1,3b
	8	5320	1,3b
	9	5321	1,3b
	10	5322	1,3b
	11	7797	1,3b
EAST WILLISTON (V)	-	-	2,12a
FARMINGDALE (V)	1-3	7852	2,3a,4a
	2-1	1937	2,3b,4a
	2-2	6644	2,3a,4a
	2-3	11004	2,3a,4a

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
FRANKLIN SQUARE W.D.	1	3603	2,3a
	2	3604	2,3a
	3	3605	2,3a,4a
	4	7117	2,3a,6b
	5	8818	2,3a,6b
FREEPORT (V)	1A	7796	2,3a,4a
	2	132	2,3a,4a
	3	133	2,3a,4a
	4	134	2,3a,4a
	5	68	2,3a,4a
	6	69	2,3a,4a
	7	5695	2,3a,4a
	8	5696	2,3a,4a
	9	8657	2,3a,4a
GARDEN CITY (V)	7	95	2,3a
	8	1697	2,3a
	9	3881	2,3a
	10	3934	2,3a,6a
	11	3935	2,3a,6a
	12	5163	2,3a
	13	7058	2,3a,6a
	14	8339	2,3a,6a
	15	10033	2,3a
	16	10034	2,3a
	1	650	2,3a
	2	651	2,3a
	3	2565	2,3a
	4	3672	2,3a
	5	3673	2,3a
GARDEN CITY PARK W.D.	6	5603	2,3a,6a
	7	6945	2,3a
	8	7512	2,3a
	9	8409	2,3a,7a
	10	9768	2,3a
	11	10612	2,3a
GARDEN CITY SOUTH W.D.	-	-	0,12b

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
GLEN COVE CITY	Morgan	835	2,3a
	Roxbury	5762	2,3a
	1S	3892	2,3a
	2S	5261	2,3a
	21	8326	2,3a
	30	9210	2,3a
	31	9211	2,3a
	Kelly	9334	2,3a,6a
GLENWOOD W.D.	-	-	2,12c
GREAT NECK NORTH, W.A. of	1	30	1,3a,4a
	2	22	1,3a
	4	31	1,3a,4a
	5	687	1,3a,4a
	6	1298	1,3a
	7	2214	1,3a
	8	3443	1,3a,4a
	9	4388	1,3a,4a,6a
	10	5884	1,3a,4a
	11	8342	1,3a
	21A	700	1,3a,6a
	1R	4426	1,3a,4a,6a
	2	79	1,3a,4a,6a,8b
HEMPSTEAD (M)	3	80	1,3a,4a,8b
	4	81	1,3a,4a,8b
	5	82	1,3a,4a,8b
	6	83	1,3a,4a,8b
	7	3668	1,3a,4a
	8	7298	1,3a,4a,8b
	9	8284	1,3a,4a
	1-4	7562	2,3a,4a
	1-5	8249	2,3a,4a,6a
HICKSVILLE W.D.	1-6	9488	2,3a,4a,6a
	2-2	5336	2,3a,4a
	3-2	8525	2,3a,4a
	4-2	8526	2,3a,4a
	5-2	7561	2,3a,4a,6b
	5-3	9212	2,3a,4a
	6-1	3953	2,3a,4a
	6-2	3878	2,3a,4a
	7-1	6190	2,3a,4a
	7-2	6191	2,3a,4a
	8-1	6192	2,3a,4a,6a

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
HICKSVILLE W.D. cont'd	8-2	6193	2,3a,4a
	8-3	9180	2,3a,4a,6a
	9-1	8778	2,3a,4a
	9-2	8779	2,3a,4a
	9-3	10208	2,3a,4a
	10-1	9463	2,3a,4a
	11-1	10555	2,3a,4a
JAMAICA W.S. CO.	9	14	1,3a,3c,5
	15A	9151	1,3a,3c,5
	15B	11037	1,3a,3c,5
	15C	10206	1,3a,3c,5
	15D	693	1,3a,3c,5
	15E	10207	1,3a,3c,5
	16A	1958	1,3a,3c,5
	20	17	1,3a,3c,5,6a
	25A	7482	1,3a,4d,5
	28	2414	1,3a,3c,5
	28A	11647	1,3a,4d,5
	28B	10211	1,3a,4d,5
	30	3720	1,3a,4d,5
	34	4512	1,3a,4d,5
	35	4077	1,3a,3c,5,6a
	35A	4298	1,3a,3c,5,6a
	40	4390	1,3a,3c,5,6a
	40A	7445	1,3a,3c,5,6a
	44	5155	1,3a,3c,5
	44A	5156	1,3a,3c,5
	44B	6744	1,3a,3c,5
	44C	6745	1,3a,3c,5
	57	7649	1,3a,3c,5,6a
	57A	7650	1,3a,3c,5,6a
JERICHO W.D.	3	198	2,3a
	4	199	2,3a
	5	570	2,3a
	6	3474	2,3a
	7	3475	2,3a
	9	4245	2,3a
	11	5201	2,3a
	12	6092	2,3a
	13	6093	2,3a
	14	6651	2,3a
	15	7030	2,3a

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
JERICHO W.D. cont'd	16	7446	2,3a
	17	7593	2,3a
	18	7772	2,3a
	19	7773	2,3a
	20	10149	2,3a
	22	7781	2,3a
	23	8043	2,3a
	25	8355	2,3a
	27	8713	2,3a
	29	11107	2,3a
	30	11295	2,3a
LEVITTOWN W.D.	2A	8321	1,3a
	3	2580	1,3a
	5A	7076	1,3b
	6A	3618	1,3a
	7A	8279	1,3b
	8A	7523	1,3b
	9	4450	1,3b
	10	4451	1,3b
	11	5301	1,3b
	12	5302	1,3b
	13	5303	1,3b
	14	5304	1,3a
	1	46	1,3b,8a,8b
	2	5227	1,3b,8a,8b
LIDO-POINT LOOKOUT W.D.	3	8354	1,3a,8a,8b,11b
	4	118	2
	5	119	2
	6	1651	2,3a
	7	5152	2,3a
	8	7665	2,3a
LOCUST VALLEY W.D.	9	2597	1,3b,8a,8b,8c,8d,11c
	10	3687	1,3b,8a,8b,8c,8d,11c
	11	5308	1,3b,8a,8b,8c,8d,11c
	12	6450	1,3b,8a,8b,8c,8d,11c
	13	7776	1,3b,8a,8b,8c,8d,11c
	14	8011	1,3b,8a,8b,8c,8d,11c
	15	8233	1,3b,8a,8b,8c,8d,11c
	16	8557	1,3b,8a,8b,8c,8d,11c

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
L.I. WATER CORPORATION	1-13	1601	1,3b,4c
	1-15	3722	1,3b,4c
	1-16	3832	1,3b,4c
	1-17	6893	1,3b,4c
	2-1	1602	1,3b,4c
	3-1	1603	1,3b,4c
	3-2	3520	1,3b,4c
	4-1	1402	1,3b,4c
	4-16	2613	1,3b,4c
	4-17	8196	1,3b,4c
	5(CS)	1346	1,3b,4c,8a,8b,9a
	6-1	4405	1,3b,8a,8b
	7-1A	9613	1,3b,4c,8a,8b
	7-2	2578	1,3b,4c,8a,8b
	7-3	5145	1,3b,4c,8a,8b
	8-1	3937	1,3b,4c
	8-2	4394	1,3b,4c
	9-1	8420	1,3b,4c
	9-2A	10286	1,3b,4c
	10-1	4393	1,3b,4c
	12-1	4132	1,3b,4c
	12-2	5153	1,3b,4c
	14-1	4411	1,3b,4c
	15-1	5121	1,3b,4c
	15-2	8251	1,3b,4c
	16-1	5187	1,3b,4c
	17-1	5656	1,3b,4c
	17-2	7521	1,3b,4c
	18-1	5653	1,3b,4c
	18-2	8250	1,3b,4c
	19-1	6146	1,3b,4c
	19-2	7522	1,3b,4c
	20-1	7548	1,3b,4c
	22-1	7831	1,3b,4c
	23-1	7855	1,3b,4c
	23-2	10103	1,3b,4c
	24-1	8195	1,3b,4c
	24-2	8979	1,3b,4c

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
MANHASSET-LAKEVILLE W.D.			
CUMBERLAND	1	5099	2
EAST SHORE ROAD	S	7747	1,3a
	D	9308	2,3a
EXPRESSWAY	6	5710	2
LAKEVILLE ROAD	7	1802	2
MUNSEY PARK	8	3523	2
PARKWAY #1	12	3905	1
#2	4T	4243	1
SHELTER ROCK ROAD #1	21	1328	2,3a
#2	25	10557	2,3a
VALLEY ROAD	22	1618	2
EDEN WELL	23	7651	2
CAMPBELL #1	1T	7126	1
#2	3T	7892	1
SEARINGTOWN ROAD #1	5T	2028	1
# 2	6T	5528	1
SPRUCE POND	26	10889	2,3a
MASSAPEQUA W.D.			
	1	4602	1,3a,4b,10a
	2R	9173	1,3a,4b,10a
	3	5703	1,3a,4b,10a
	4	6442	1,3a,4b,10a
	5	6443	1,3a,4b,10a
	6	6866	1,3a,4b,10a
	7	6867	1,3a,4b,10a
	8	8214	1,3a,4b,10a
MILL NECK ESTATES W.S.			
	1	6042	1
	2	8426	1
MINEOLA (V)			
	1	97	2,3a
	3	578	2,3a
	4	3185	2,3a
	5	4082	2,3a
	6	5596	2,3a
	7	8576	2,3a

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
N.Y. WATER CORPORATION			
NEWBRIDGE ROAD	1N	3895	1,3a,4a,10a
	3N	8976	1,3a,4a,10a
	4N	9878	1,3a,4a,10a
SEAMANS NECK ROAD	2S	3893	1,3a,4a,10a
	3S	8480	1,3a,4a,10a
	4S	9338	1,3a,4a,10a
JERUSALEM AVE	4J	9514	1,3a,4a,10a
	5J	10195	1,3a,4a,10a
CHARLES ST	2C	9976	1,3a,4a,10a
JEFFERSON ST	11J	7407	1,3a,4a,10a
	12J	8253	1,3a,4a,10a
DE MOTT AVE	4D	5767	1,3a,4a,10a
	5D	8837	1,3a,4a,10a
	6D	9910	1,3a,4a,10a
MASSAPEQUA	6M	7414	1,3a,4a,10a
	7M	8603	1,3a,4a,10a
	8M	10863	1,3a,4a,10a
OLD MILL ROAD	1O	8031	1,3a,4a,10a
NORTHEAST FARMINGDALE W.D.	-	-	0,12d
NO SHORE UNIV HOSPITAL @ GC	1	5994	1,3a
OLD WESTBURY (V)	1	152	2,3a
	2A	7513	2,3a
	3	107	2,3a
	4	7549	2,3a
	5	8658	2,3a
OYSTER BAY W.D.	PLT 1	585	1,3a
	PLT 2	4400	2,3a
	6-1	8183	2,3a
	6-2	9520	2,3a
PLAINVIEW W.D.	1-1	4095	1,3b
	1-2	4096	1,3b
	2-1	7526	1,3b
	3-1	4097	1,3b
	3-2	6580	1,3b
	4-1	6076	1,3b
	4-2	6077	1,3b
	5-1	6956	1,3b
	5-2	7421	1,3b
	5-3	8054	1,3b
	5-4	8595	1,3b

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
PLANDOME (V)	1	28	2
	2	29	2
	3	3540	2
PLANTING FIELDS ARBORETUM W.S.	-	-	2,12c
PORT WASHINGTON W.D.			
NEULIST AVE	1N	1715	1,3a,4a
	2N	1716	1,3a,4a
	3N	2030	1,3a,4a
	4H	2052	1,4a,6b
HEWLETT	5S	4223	1,4a
SOUTHPORT	6B	5029	1
BAR BEACH	7R	5876	1,4a
RICKS	8M	7551	1,4a
MORLEY PARK	9M	7552	1,4a,6b
SANDY HOLLOW RD	1SH	4860	1,4a,6b
	2SH	6087	1,4a,6b
	3SH	4059	1,4a
STONYTOWN RD	10ST	9809	1,3a,4a
ROCKVILLE CENTRE (V)	3	50	2,3b,8b
	4	9792	2,3b,8b
	5	72	2,3b,8b
	6	3745	2,3b,8b
	7	5193	2,3b,8b
	8	5194	2,3b,8b
	9	5195	2,3b,8b
	10	6817	2,3b,8b
	11	8216	2,3b,8b
	12	8217	2,3b,8b
	13	8218	2,3b,8b
ROOSEVELT FIELD W.D.	1	5484	1,3b
	2	5485	1,3b
	4	6046	1,3b
	5	7957	1,3a
	7	9521	1,3a
	10	9846	1,3b

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
ROSLYN W.D.	1-8	1870	1
	2	2400	2,3a
	3	4265	2
	4	4623	2,3a
	5	5852	2,3a
	6	7104	2,3a
	7	7873	2,3a
	8	8010	2,3a
SANDS POINT (V)	1	36	2,3a
	2	37	2,3a
	3	4389	2,3a
	4	7157	2,3a
	5	8183	2,3a
	6	9446	2,3a
SEA CLIFF W.C.	GH	5792	1,3a,4a
	SC	7857	1,3a,4a
	D	901	1,4a
SOUTH FARMINGDALE W.D.	1-2	4043	1,3b,4b
	1-3	5148	1,3b,4b
	1-4	7377	1,3b,4b
	2-1	5147	1,3b,4b,8a,8b
	2-2	6149	1,3b,4b,8a,8b
	3-1	6150	1,3b,4b
	4-1	6148	1,3b,4b
	5-1	7515	1,3b,4b
	5-2	7516	1,3b,4b
	6-1	8664	1,3b,4b
	6-2	8665	1,3b,4b
	1	UNK 2	2
SPLITROCK W.S.	1	2920	1
SWAN COVE W.S.	1	4756	1,3b
UNIONDALE W.D.	2	4757	1,3b
	3	4758	1,3b
	4	4759	1,3b
	5	8474	1,3a
	6	8475	1,3a

**NASSAU COUNTY DEPARTMENT OF HEALTH
COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL**

WATER DISTRICT	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
WESTBURY W.D.	6	101	2,3a
	7A	7785	2,3a
	9	2602	2,3a
	10	5007	2,3a
	11	5654	2,3a
	12	5655	2,3a
	12A	6819	2,3a
	14	7353	2,3a
	15	8007	2,3a
	16	8497	2,3a
WEST HEMP-HEMP GARDENS W.D.	17	10451	2,3a
	1	75	1,3a,4b
	2	76	1,3a,4b
	2A	9452	1,3a,4b
	3	2239	1,3a,4b
	4	3704	1,3a,4b
	5	4118	1,3a,4b
	6	5260	1,3a,4b
	7	7720	1,3a
	9	10408	1,3a,4b
WILLISTON PK (M)	10	10401	1,3a,4b
	1	103	2,3a
	2	104	2,3a
	3	2487	2,3a
	4	8248	2,3a,6a

SOURCES:

- (1) Public Water Supply Annual Inspection Reports (GEN 200), NCDH, 1990.
- (2) 1991 Water Supply Emergency Plans.
- (3) Water Supply Survey by NCDH, 1990.

NASSAU COUNTY DEPARTMENT OF HEALTH
CHLORINATION WAIVER AND CHLORINATING SYSTEMS FOR 1990 – 1992 (a)
COMMUNITY PUBLIC WATER SYSTEMS

WATER SUPPLIES WITH WAIVERS (1)	ESTIMATED POPULATION (b) (2)	WATER SUPPLIES THAT CHLORINATE (3)	ESTIMATED POPULATION (b) (4)
ALBERTSON WD	13,500	BOWLING GREEN WD	12,000
BAYVILLE (V)	8,800	DEFOREST DR ASSOC	21
BETHPAGE WD	33,000	EAST MEADOW WD	50,000
CARLE PLACE WD	11,050	GARDEN CITY SOUTH WD (d)	1,500
EAST WILLISTON (V)	2,600	WA of GREAT NECK NORTH	31,401
FARMINGDALE (V)	8,446	HEMPSTEAD (V)	41,000
(N/E FARMINGDALE WD) (c)	405	JAMAICA WS CO	130,000
FRANKLIN SQUARE WD	20,000	LEVITTOWN WD	50,000
FREEPORT (V)	40,000	LIDO-PT LOOKOUT WD	4,500
GARDEN CITY PARK WD	21,000	LONG BEACH CITY	35,000
GARDEN CITY (V)	23,000	LONG IS WATER CORP	237,550
GLEN COVE CITY	27,000	MASSAPEQUA WD	46,000
GLENWOOD WD	640	MILL NECK EST WS	240
HICKSVILLE WD	47,810	NY WATER SERVICE CORP	176,000
JERICHO WD	58,000	NO SHORE UNIV HOSP @ GC(e)	1,400
LOCUST VALLEY WD	7,500	ROOSEVELT FIELD WD	1,900
MANHASSET-LAKEV WD	43,000	SEA CLIFF WATER CO	17,850
MINEOLA (V)	20,600	SWAN COVE WS	80
OLD WESTBURY (V)	3,200	SO FARMINGDALE WD	49,900
OYSTER BAY WD	9,000	UNIONDALE WD	23,000
PLAINVIEW WD	35,000	WEST HEMPSTEAD WD	32,031
PLANDOME (V)	1,600		
PLANTING FIELDS ARBOR WS	90		
PORT WASHINGTON WD	38,000		
ROCKVILLE CENTRE (V)	28,000		
ROSLYN WD	28,000		
SANDS POINT (V)	2,795		
WESTBURY WD	20,050		
WILLISTON PARK (V)	8,216		
WAIVER:		CHLORINATING:	
SUPPLIES	29	SUPPLIES (f)	21
POPULATION	560,302	POPULATION	941,373
PERCENT OF POPULATION	37.3%	PERCENT OF POPULATION	62.7%

- (a) Chlorination waivers issued for 3 year period beginning January 1, 1990.
- (b) Public Water System Annual Inspection Report, GEN 200, 1990.
- (c) Consecutive water system supplied by Village of Farmingdale which has a waiver.
- (d) Supplied by West Hempstead-Hempstead Gardens W.D. which chlorinates.
- (e) Formerly Glen Cove Community Hospital.
- (f) Split Rock W.S. did not apply for a waiver and did not chlorinate in 1990.

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY PUBLIC WATER SYSTEM POPULATION, PUMPAGE
AND PER CAPITA CONSUMPTION IN 1990
NASSAU COUNTY, NEW YORK

WATER SUPPLY	ESTIMATED POPULATION	TOTAL PUMPAGE (Galx1000)	IMPORTED OR (EXPORTED) (Galx1000)	GALLONS PER CAPITA DAY (GPCD)
(1)	(2)	(3)	(4)	(5)
ALBERTSON WD	13,500	685,162		139
BAYVILLE (V)	8,800	285,450		89
BETHPAGE WD	33,000	1,185,922		98
BOWLING GREEN WD	12,000	179,722	213,311	90
CARLE PLACE WD	11,050	480,448		119
GREAT NECK NO, WA of	31,401	1,482,857		129
DEFOREST DR ASSOC	21	(a)		(a)
EAST MEADOW WD	50,000	2,297,771		126
EAST WILLISTON (V)	2,600	0	100,000	105
FARMINGDALE (V)	8,446	388,203		126
FRANKLIN SQUARE WD	20,000	672,912		92
FREEPORT (V)	40,000	1,743,160		119
GARDEN CITY PARK WD	21,000	1,067,622		139
GARDEN CITY SOUTH WD	1,500	0	(a)	(a)
GARDEN CITY (V)	23,000	1,329,540		158
GLEN COVE CITY	27,000	1,370,627		139
NO SHORE UNIV HOSP@GC (d)	1,400	TRANSIENT POPULATION		(b)
GLENWOOD WD	640	0	70,497	302
HEMPSTEAD (V)	41,000	2,301,028		154
HICKSVILLE WD	47,810	2,337,594		134
JAMAICA WS CO	130,000	3,764,700		79
JERICHO WD	58,000	3,770,306		178
LEVITTOWN WD	50,000	1,641,022		90
LIDO-PT LOOKOUT WD	4,500	315,348		192
LOCUST VALLEY WD	7,500	444,295		162
LONG BEACH CITY	35,000	1,284,379		101
LONG IS WATER CORP	237,550	9,749,605		112
MANHASSET-LAKEV WD	43,000	2,182,475	(120,000)	131
MASSAPEQUA WD	46,000	1,780,656		106
MILL NECK EST WS	240	(a)		(a)
MINEOLA (V)	20,600	952,566		127
N/E FARMINGDALE WD	405	INCLUDED IN VILLAGE OF FARMINGDALE		
NY WATER SERVICE CORP	176,000	5,265,610		82
OLD WESTBURY (V)	3,200	464,899		398

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY PUBLIC WATER SYSTEM POPULATION, PUMPAGE
AND PER CAPITA CONSUMPTION IN 1990
NASSAU COUNTY, NEW YORK

WATER SUPPLY	ESTIMATED POPULATION	TOTAL PUMPAGE (Galx1000)	IMPORTED OR (EXPORTED) (Galx1000)	GALLONS PER CAPITA DAY (GPCD)
(1)	(2)	(3)	(4)	(5)
OYSTER BAY WD	9,000	385,220		117
PLAINVIEW WD	35,000	1,576,508		123
PLANDOME (V)	1,600	71,395		122
PLANTING FIELDS ARBOR	90	INCLUDED IN LOCUST VALLEY W.D.		
PORT WASHINGTON WD	38,000	1,150,710	132,920	93
ROCKVILLE CENTRE (V)	28,000	1,302,786		127
ROOSEVELT FIELD WD	1,900	869,125	(213,311)	(c)
ROSLYN WD	28,000	1,114,175	(83,417)	101
SANDS POINT (V)	2,795	246,300		241
SEA CLIFF WATER CO	17,850	436,058		67
SWAN COVE WS	80	(a)		(a)
SO FARMINGDALE WD	49,900	1,408,068		77
SPLIT ROCK WS	25	(a)		(a)
UNIONDALE WD	23,000	684,783		82
WESTBURY WD	20,050	1,023,535		140
WEST HEMPSTEAD WD	32,031	1,106,618		95
WILLISTON PARK (V)	8,216	440,140	(100,000)	113
TOTAL	1,497,905	61,239,300		112

(a) Not Available

(b) Not Applicable

(c) Not Applicable. Transient population; water used mainly for cooling and industrial use.

(d) Formerly Glen Cove Community Hospital.

SOURCE:

(2) Annual Inspection Report (GEN 200), 1990, or Annual Water Supply Statements for 1990.

(3) Total pumpage from NYSDEC, "Public Water Supply Pumpage, Nassau County, 1990", March 1991.

(4) Reported by public water suppliers in Annual Water Supply Statements for 1990 or Monthly Operating Reports to NCDH.

NASSAU COUNTY DEPARTMENT OF HEALTH
 PUBLIC WATER SUPPLY PUMPAGE BY AQUIFER
 NASSAU COUNTY, NEW YORK

YEAR	AVERAGE PUMPAGE (MGD)	TOTAL GALLONS (MILLION)	MAGOATHY			LLOYD			GLACIAL			JAMECO			PORT WASHINGTON		
			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
1937	32.8	11,963	-	0.0%	-	0.0%	1,903	15.9%	2,373	19.8%	(a)	0.0%					
1940	35.9	13,139	-	0.0%	-	0.0%	2,416	18.4%	2,452	18.7%	(a)	0.0%					
1945	41.4	15,111	7,191	47.6%	2,810	18.6%	2,482	16.4%	2,628	17.4%	(a)	0.0%					
1950	58.4	21,316	11,753	55.1%	3,467	16.3%	3,759	17.6%	2,300	10.8%	(a)	0.0%					
1955	106.0	38,675	28,085	72.8%	3,931	10.2%	5,683	14.7%	996	2.6%	(a)	0.0%					
1960	123.4	45,172	35,590	78.8%	4,187	9.3%	4,182	9.3%	1,211	2.7%	(a)	0.0%					
1965	165.9	60,539	49,939	82.5%	5,223	8.6%	3,270	5.4%	2,106	3.5%	(a)	0.0%					
1970	181.0	66,050	55,204	83.6%	5,724	8.7%	3,091	4.7%	2,031	3.1%	(a)	0.0%					
1971	177.0	64,605	56,547	87.5%	3,627	5.6%	2,504	3.9%	1,927	3.0%	(a)	0.0%					
1972	174.2	63,762	53,768	84.3%	5,728	9.0%	2,574	4.0%	1,692	2.7%	(a)	0.0%					
1973	178.5	65,141	55,869	85.8%	4,687	7.2%	2,775	4.3%	1,809	2.8%	(a)	0.0%					
1974	178.7	65,233	56,093	86.0%	4,742	7.3%	2,695	4.1%	1,704	2.6%	(a)	0.0%					
1975	170.0	62,044	53,164	85.7%	4,986	8.0%	2,229	3.6%	1,665	2.7%	(a)	0.0%					
1976	184.1	67,375	57,716	85.7%	4,512	6.7%	3,002	4.5%	2,145	3.2%	(a)	0.0%					
1977	181.8	66,345	56,892	85.8%	4,923	7.4%	2,514	3.8%	2,105	3.2%	(a)	0.0%					
1978	181.0	66,045	57,837	87.8%	4,763	7.2%	1,639	2.5%	1,806	2.7%	(a)	0.0%					
1979	175.6	64,078	56,059	87.5%	5,058	7.9%	1,066	1.7%	1,697	2.6%	(a)	0.0%					
1980	184.0	70,985	62,952	88.7%	4,560	6.4%	1,477	2.1%	1,995	2.8%	(a)	0.0%					
1981	173.0	63,156	56,035	88.7%	4,063	6.5%	1,114	1.8%	1,925	3.0%	(a)	0.0%					
1982	178.7	65,234	57,950	88.8%	4,375	6.7%	1,274	2.0%	1,635	2.5%	(a)	0.0%					
1983	184.5	70,992	62,718	88.3%	5,022	7.1%	1,727	2.4%	1,525	2.1%	(a)	0.0%					
1984	183.6	67,185	59,078	87.9%	4,854	7.2%	3,255	4.8%	(a)	-	(a)	0.0%					
1985	187.4	68,388	59,110	86.4%	4,402	6.4%	3,140	4.6%	1,736	2.5%	(a)	0.0%					
1986	189.5	72,820	63,583	87.3%	4,806	6.6%	2,834	3.9%	1,594	2.2%	4	0.0%					
1987	185.2	67,582	59,685	88.3%	4,497	6.7%	1,952	2.9%	1,447	2.1%	2	0.0%					
1988	187.9	68,784	60,544	88.0%	4,576	6.7%	2,122	3.1%	1,542	2.2%	0.22	0.0%					
1989	167.8	61,230	53,934	88.1%	4,307	7.0%	2,680	4.4%	308	0.5%	(a)	-					
1990	168.2	61,393	58,052	91.3%	3,959	6.4%	862	1.4%	519	0.8%	(a)	-					

(a) These aquifers included as part of Glacial pumpage.

SOURCES 1937-1965 various water supply reports.

1970-1981 NCDPW records.

1982-1984 NYSDEC personal communication.

1985-1988 NYSDEC tabulation.

1989 NYSDEC tabulation, 9/19/90

1990 NCDPW tabulation

NASSAU COUNTY DEPARTMENT OF HEALTH
1890 MONTHLY PUBLIC WATER SUPPLY PUMPAGE
IN NASSAU COUNTY

WATER SUPPLY (1)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY (14)
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
BOWLING GREEN W.D.	887	943	233	872	0	5784	22981	66392	69812	21838	0	0	178722
EAST MEADOW W.D.	178181	154616	165042	168710	189457	228826	254803	231883	215327	191581	151318	170958	2297771
LEVITTOWN W.D.	121284	104691	120130	122471	134557	172120	185064	160117	141152	132828	118371	127257	1641022
LIDO-PT LOOKOUT W.D.	17687	14863	17280	20173	28541	34885	42514	40231	33115	27152	20380	18537	315348
ROOSEVELT FIELD W.D.	85128	71628	83273	79858	87295	91128	88461	35021	31152	68301	73577	74103	869125
UNIONDALE W.D.	48817	43092	51050	54338	50424	71310	82243	69571	61071	54382	48620	49867	634783
TOWN OF HEMPSTEAD TOTAL	452825	389831	437108	444620	490274	604153	678046	603225	539829	498062	413276	440722	5987771
ALBERTSON W.D.	48878	42087	48892	46918	53370	69763	78846	69017	71235	58987	48219	49892	686162
BAYVILLE (V)	19243	17323	19746	20873	24056	32098	37390	30408	268384	21685	17614	18672	285450
BETHPAGE W.D.	78731	71202	80424	84891	82498	135333	142432	127118	113528	97303	81488	80974	1186922
CARLE PLACE W.D.	43881	33491	360686	342886	39580	49871	64298	45091	43860	36911	30848	32867	480448
GREAT NECK NORTH, W.A. of EAST WILLISTON (V)	103768	86856	88537	102481	124198	154682	183633	158771	161862	122118	100187	95784	1432867
FARMINGDALE (V)	27872	24354	27480	28057	28868	38116	44638	39594	37634	33518	28447	28847	398203
FRANKLIN SQUARE W.D.	64012	46075	61602	53628	56830	67281	74610	64931	59008	52121	45678	47142	672912
FREEPORT (V)	136755	128103	140851	132280	144396	162508	178210	156554	147728	145613	134040	138024	1743160
GARDEN CITY (V)	91640	79210	87250	88990	110710	147790	160080	141780	133320	111610	90080	86100	1328640
GARDEN CITY PARK W.D.	78134	67854	78940	74404	84169	114337	127410	105475	105658	87711	72728	73812	1067622
GARDEN CITY SOUTH W.D.													
GLEN COVE CITY													
GLENWOOD W.D.													
HEMPSTEAD (V)	110326	10589	115897	103284	105780	133730	161028	125288	118949	107033	98486	94178	1370627
HICKSVILLE W.D.													
JAMAICA WATER SUPPLY CO													
JEFFERSON W.D.													
LOCUST VALLEY W.D.													
LONG BEACH CITY													

NASSAU COUNTY DEPARTMENT OF HEALTH
1990 MONTHLY PUBLIC WATER SUPPLY PUMPPAGE
IN NASSAU COUNTY

WATER SUPPLY (1)	PUMPPAGE x 1000 GALLONS												YEARLY (14)
	JAN (2)	FEB (3)	MAR (4)	APR (5)	MAY (6)	JUN (7)	JUL (8)	AUG (9)	SEP (10)	OCT (11)	NOV (12)	DEC (13)	
LONG ISLAND WATER CORP	603119	683271	695884	783315	991125	1161084	1022774	910443	814611	682769	678587	6749605	
MANHASSET-LAKEVILLE W.D.	115558	148400	149903	179234	241094	289888	232687	214201	175058	155313	148216	2192476	
MASSAPEQUA W.D.	109088	104172	127415	128837	130551	230181	191954	178074	144924	120233	111672	1780658	
MINEOLA (V)	76172	68402	73490	71842	75869	90595	89858	91025	81188	72378	72358	8925688	
NEW YORK W. S. CORP	350280	3113860	352330	345550	401790	578070	667780	685400	529450	439190	343630	368190	5265810
OLD WESTBURY (V)	22289	18727	23382	28461	411882	67091	73442	65477	56278	38224	21078	18470	484899
OYSTER BAY W.D.	28282	21954	28258	25312	28570	40500	50359	43639	398821	30870	25805	28852	3852220
PLAINVIEW W.D.	111563	98458	114377	113100	136379	186788	192812	159405	142745	120779	97420	102802	1578508
PLANDOME (V)	4010	33683	3879	4501	6999	8151	8284	7743	8222	6043	4987	5153	71395
PORT WASHINGTON W.D.	95480	822220	98840	911790	97900	99280	103680	108980	116810	101940	81210	75280	1150710
ROCKVILLE CENTRE (V)	94159	82805	90919	95292	107312	131938	155571	1255687	120433	113459	93221	82112	1302786
ROSLYN W.D.	88828	57391	65898	69889	87491	130475	152455	129577	122837	90783	70465	68230	1114176
SANDS POINT (V)	14380	12040	13850	15700	21830	25180	30720	30420	31450	21810	16100	13820	246300
SEA CLIFF WATER CO	34002	28286	32256	33017	36890	47175	52897	40719	39194	33427	29025	28880	438058
SOUTH FARMINGDALE W.D.	91689	81617	95149	105897	110983	160251	174476	147868	135313	116240	91622	86976	1408088
WESTBURY W.D.	78094	67847	76582	78884	82713	103328	111004	98923	95254	84133	73136	75837	1023535
W HEMP-HEMP GARDENS W.D.	78814	68419	87339	92000	82476	110629	119867	106726	102270	99289	78533	82277	1108818
WILLISTON PARK (V)	32310	28220	31320	31480	32800	40210	43540	43440	42040	31080	40430	440140	
TOTAL	4368402	3816219	4388835	4392347	4989103	6448803	727539	6329190	5836927	5049913	4192152	4203671	61229300

SOURCE: NYSDDEC Report, "Public Water Supply Pumpage Nassau County, 1990", March 1991

NASSAU COUNTY DEPARTMENT OF HEALTH

**COMPARISON OF 1990 PUMPAGE WITH NYSDEC PUMPAGE CAPS
PUBLIC WATER SYSTEMS IN NASSAU COUNTY**

(All Data in Millions of Gallons)

WATER SUPPLY	1990 PUMPAGE	ANNUAL CAP	PERCENT OF ANNUAL CAP •	1987-90 AVERAGE PUMPAGE	FIVE YEAR CAP	PERCENT OF FIVE YEAR CAP •
(1)	(2)	(3)	(4)	(5)	(6)	(7)
TOWN OF HEMPSTEAD						
-FIVE DISTRICT AGGREGATE	5,672	6,759	-16.1%	6,033	5,947	1.4%
BOWLING GREEN W.D.						
EAST MEADOW W.D.						
LEVITTOWN W.D.						
ROOSEVELT FIELD W.D.						
UNIONDALE W.D.						
-LIDO-PT LOOKOUT W.D.	315	391	-19.4%	321	357	-10.1%
ALBERTSON W.D.	685	807	-15.1%	732	727	0.7%
BAYVILLE (V)	285	356	-19.8%	297	336	-11.6%
BETHPAGE W.D.	1,186	1,588	-25.3%	1,248	1,435	-13.0%
CARLE PLACE W.D.	480	581	-17.3%	503	551	-8.7%
GREAT NECK NORTH, W.A. of	1,483	1,753	-15.4%	1,531	1,693	-9.6%
EAST WILLISTON (V)	-	-	-	-	-	-
FARMINGDALE (V)	388	403	-3.7%	379	382	-0.8%
FRANKLIN SQUARE W.D.	673	735	-8.4%	680	710	-4.2%
FREEPORT (V)	1,743	1,795	-2.9%	1,765	1,748	1.0%
GARDEN CITY (V)	1,330	1,836	-27.6%	1,458	1,742	-16.3%
GARDEN CITY PARK W.D.	1,068	1,200	-11.0%	1,094	1,150	-4.9%
GARDEN CITY SOUTH W.D.	-	-	-	-	-	-
GLEN COVE CITY	1,371	1,666	-17.7%	1,420	1,582	-10.2%
GLENWOOD W.D.	-	-	-	-	-	-
HEMPSTEAD (V)	2,301	2,135	7.8%	2,239	2,047	9.4%
HICKSVILLE W.D.	2,338	2,782	-16.0%	2,453	2,632	-6.8%
JAMAICA WATER SUPPLY CO	3,765	6,180	-39.1%	4,404	5,803	-24.1%
JERICHO W.D.	3,770	4,361	-13.5%	3,910	4,074	-4.0%
LOCUST VALLEY W.D.	444	560	-20.7%	499	494	1.0%
LONG BEACH CITY	1,284	1,336	-3.9%	1,310	1,302	0.6%
LONG ISLAND WATER CORP	9,750	11,015	-11.5%	10,341	10,618	-2.6%
MANHASSET-LAKEVILLE W.D.	2,182	2,851	-23.4%	2,454	2,600	-5.6%
MASSAPEQUA W.D.	1,781	2,111	-15.6%	1,712	1,965	-12.9%
MINEOLA (V)	953	1,124	-15.2%	1,024	1,106	-7.4%
NEW YORK W. S. CORP	5,266	5,946	-11.4%	5,343	5,684	-6.0%
OLD WESTBURY (V)	465	562	-17.3%	472	510	-7.5%

NASSAU COUNTY DEPARTMENT OF HEALTH

**COMPARISON OF 1990 PUMPAGE WITH NYSDEC PUMPAGE CAPS
PUBLIC WATER SYSTEMS IN NASSAU COUNTY**

(All Data in Millions of Gallons)

WATER SUPPLY	1990 PUMPAGE	ANNUAL CAP	PERCENT OF ANNUAL CAP •	1987-90 AVERAGE PUMPAGE	FIVE YEAR CAP	PERCENT OF FIVE YEAR CAP ••
(1)	(2)	(3)	(4)	(5)	(6)	(7)
OYSTER BAY W.D.	385	429	-10.2%	392	407	-3.7%
PLAINVIEW W.D.	1,577	1,981	-20.4%	1,715	1,891	-9.3%
PLANDOME (V)	71	109	-34.5%	73	99	-26.3%
PORT WASHINGTON W.D.	1,151	1,464	-21.4%	1,306	1,415	-7.7%
ROCKVILLE CENTRE (V)	1,303	1,574	-17.2%	1,380	1,505	-8.3%
ROSLYN W.D.	1,114	1,436	-22.4%	1,190	1,344	-11.5%
SANDS POINT (V)	246	345	-28.6%	264	302	-12.6%
SEA CLIFF WATER CO	436	481	-9.4%	439	462	-5.0%
SOUTH FARMINGDALE W.D.	1,408	1,697	-17.0%	1,413	1,595	-11.4%
WESTBURY W.D.	1,024	1,185	-13.6%	1,055	1,117	-5.6%
W HEMP-HEMP GARDENS W.D.	1,107	1,309	-15.5%	1,112	1,211	-8.2%
WILLISTON PARK (V)	440	516	-14.7%	448	491	-8.8%
TOTAL	61,239	73,359	-16.5%	64,409	69,034	-6.7%

SOURCE: NYSDEC Report, "Public Water Supply Pumpage Nassau County, 1990",
March 1991.

* Comparison of 1990 pumpage versus annual pumpage CAP.

** Comparison of 1987 through 1990 average pumpage versus Five-year (1987-1991) pumpage CAP

**SUMMARY OF UNACCOUNTED FOR WATER IN 1990
COMMUNITY PUBLIC WATER SYSTEMS IN NASSAU COUNTY**
(GALLONS x 1000)

WATER SUPPLY (1)	TOTAL WITHDRAWN (2)	TOTAL BILLED (3)	NOT BILLED ACCOUNTED FOR (4)	TOTAL UNACCOUNTED FOR (5) (5)	PERCENT UNACCOUNTED FOR (6) (6)
TOWN OF HEMPSTEAD (a) -FIVE DISTRICT AGGREGATE	5,675,443	5,039,128	93,077	543,238	9.6%
BOWLING GREEN W.D.					
EAST MEADOW W.D.					
LEVITTOWN W.D.					
ROOSEVELT FIELD W.D.					
UNIONDALE W.D.					
-LIDO-PT LOOKOUT W.D. (a)	305,348	267,974	10,535	26,839	8.8%
ALBERTSON W.D.	685,162	541,280		143,882	21.0%
BAYVILLE (V)	284,450	227,560		56,890	20.0%
BETHPAGE W.D.	1,185,922	1,100,536		85,386	7.2%
CARLE PLACE W.D.	480,647	431,875	5,287	43,485	9.0%
GREAT NECK NO. W.A. of EAST WILLISTON (V)	1,482,857	1,328,201	11,260	143,398	9.7%
FARMINGDALE (V)	-	-	-	-	-
FRANKLIN SQUARE W.D.	388,183	357,128		31,055	8.0%
FREEPORT (V)	875,359	614,577		60,782	9.0%
GARDEN CITY (V)	1,743,000	1,573,000	87,150	82,850	4.8%
GARDEN CITY PARK W.D.	1,329,540	1,083,575		245,965	18.5%
GARDEN CITY SOUTH W.D.	1,067,673	982,259		85,414	8.0%
GLEN COVE CITY					
GLENWOOD W.D.	-	-	-	-	-
HEMPSTEAD (V)	1,370,628	1,233,565		137,062	10.0%
HICKSVILLE W.D.					
JAMAICA WATER SUPPLY CO	2,301,028	1,978,884		322,144	14.0%
JERICHO W.D.	2,337,791	2,174,146		163,845	7.0%
LOCUST VALLEY W.D.	3,764,700	3,371,300		393,400	10.4%
LONG BEACH CITY	3,770,000	3,433,000		337,000	8.9%
	444,295	378,295		66,000	14.9%
	1,275,293	1,207,611		67,662	5.3%

NASSAU COUNTY DEPARTMENT OF HEALTH

SUMMARY OF UNACCOUNTED FOR WATER IN 1990
COMMUNITY PUBLIC WATER SYSTEMS IN NASSAU COUNTY
(GALLONS x 1000)

WATER SUPPLY (1)	TOTAL WITHDRAWN (2)	TOTAL BILLED (3)	NOT BILLED ACCOUNTED FOR (4)	TOTAL UNACCOUNTED FOR (5)	PERCENT UNACCOUNTED FOR (6)
LONG ISLAND WATER CORP	9,749,605	8,893,676	345,887	510,042	5.2%
MANHASSET-LAKEVILLE W.D.	2,182,475	2,095,176		87,299	4.0%
MASSAPEQUA W.D.	1,781,000	1,691,950		89,050	5.0%
MINEOLA (V)	952,560	859,210		93,350	9.8%
NEW YORK W. S. CORP	5,265,610	4,564,842	97,420	603,348	11.5%
OLD WESTBURY (V) (b)	462,000	417,000		45,000	9.7%
OYSTER BAY W.D.	365,221	336,004		29,218	8.0%
PLAINVIEW W.D.	1,576,508	1,434,822		141,386	9.0%
PLANDOME (V)	71,395	58,401		12,894	18.2%
PORT WASHINGTON W.D. (c)	1,283,630	1,155,267		128,363	10.0%
ROCKVILLE CENTRE (V)	1,312,786	1,247,145		65,841	5.0%
ROSLYN W.D.	1,114,179	1,049,626		64,553	5.8%
SANDS POINT (V)	246,300	231,600		14,700	6.0%
SEA CLIFF WATER CO	436,000	374,422		61,578	14.1%
SOUTH FARMINGDALE W.D.	1,408,068	(d)		(d)	(d)
WESTBURY W.D.	1,023,535	946,770		76,765	7.5%
W HEMP-HEMP GARDENS W.D.	1,132,162	926,109		206,053	18.2%
WILLISTON PARK (V)	440,140	348,380		91,750	20.8%
COUNTY TOTAL	55,695,050	53,954,103		5,357,705	9.6%

SOURCE: 1990 data from required Annual Water Supply Statements.

(a) Town of Hempstead (TOH) total is for the five interconnected districts of the six operated by TOH Department of Water, Lido-Pt Lookout W.D. is given separately.

(b) Old Westbury (V) pumpage is given for October 1 1989 to September 30 1990.

(c) Includes 120,000,000 gallons from Manhasset-Lakeville W.D., 12,820,000 gallons from Roslyn W.D. and 1,150,710,000 pumped by Port Washington W.D.

(d) Information not supplied in annual statement.

(e) Includes unmetered uses such as supplier use, fire fighting, main breaks, main flushing and distribution systems and service line leaks.

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS for 1990
COMMUNITY PUBLIC WATER SYSTEMS
GROUNDWATER SOURCES

Analysis Code	Type of Analysis	Constituents	MCL or NCDH Reqmt [n]
(1)	(2)	(3)	(4)
PHY.1	Physical (units)	Turbidity Color Odor Temperature (F)	5 15 3 -
IOC.1	Inorganic (mg/l)	Arsenic Barium Cadmium Chromium Fluoride Lead Mercury Selenium Silver	0.05 1.0 0.010 0.05 2.2 [1] 0.05 0.002 0.01 0.05
IOC.2	Inorganic (mg/l)	Nitrate Chloride Copper Iron Langelier Index Manganese Sodium Sulfate Zinc pH Ammonia Foaming Agents Nitrites Total Alkalinity Total Dissolved Solids Total Hardness Calcium Hardness	10.0 250 1.0 0.3 [2] - [3] 0.3 [2] - [4] 250 5.0 7.5 - 8.5 [n] - - - - - - - -

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS for 1990
COMMUNITY PUBLIC WATER SYSTEMS
GROUNDWATER SOURCES**

Analysis Code	Type of Analysis	Constituents	MCL or NCDH Reqmt [n]
(1)	(2)	(3)	(4)
P&H.1	Pesticides and Herbicides (ug/l)	Endrin Methoxychlor Lindane Toxaphene 2,4-D 2,4,5-TP (Silvex)	0.2 50.0 4.0 5.0 50.0 10.0
P&H.2	Pesticides and Herbicides (ug/l)	Aldrin Chlordane DDT (p,p & o,p) Dieldrin Heptachlor Heptachlor epoxide	50.0 50.0 50.0 50.0 50.0 50.0
VOC.1	Volatile Organic Chemicals (ug/l)	Benzene Carbon tetrachloride p-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene 1,1,1-Trichloroethane Trichloroethylene Vinyl chloride Tetrachloroethylene Bromoform Bromodichloromethane Chloroform Chlorodibromomethane	5.0 5.0 5.0 5.0 5.0 5.0 5.0 2.0 5.0 100.0 100.0 100.0 100.0
VOC.2	Volatile Organic Chemicals (ug/l)	Bromobenzene Bromochloromethane Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Chlorobenzene Chloroethane Chloromethane o-Chlorotoluene p-Chlorotoluene	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS for 1990
COMMUNITY PUBLIC WATER SYSTEMS
GROUNDWATER SOURCES**

Analysis Code	Type of Analysis	Constituents	MCL or NCDH Reqmt [n]
(1)	(2)	(3)	(4)
VOC.2	Volatile Organic Chemicals (ug/l) (Continued)	p-cymene	5.0
		Dibromomethane	5.0
		m-Dichlorobenzene	5.0
		o-Dichlorobenzene	5.0
		Dichlorodifluoromethane	5.0
		1,1-Dichloroethane	5.0
		cis-1,2-Dichloroethylene	5.0
		trans-1,2-Dichloroethylene	5.0
		Dichloromethane	5.0
		1,2-Dichloropropane	5.0
		1,3-Dichloropropane	5.0
		2,2-Dichloropropane	5.0
		1,1-Dichloropropene	5.0
		cis-1,3-Dichloropropene	5.0
		trans-1,3-Dichloropropene	5.0
		Ethylbenzene	5.0
		Fluorotrichloromethane	5.0
		Hexachlorobutadiene	5.0
		Isopropyl benzene	5.0
		n-Propylbenzene	5.0
		Styrene	5.0
		1,1,1,2-Tetrachloroethane	5.0
		1,1,2,2-Tetrachloroethane	5.0
		Toluene	5.0
		1,2,3-Trichlorobenzene	5.0
		1,2,4-Trichlorobenzene	5.0
		1,1,2-Trichloroethane	5.0
		1,2,3-Trichloropropane	5.0
		1,2,4-Trimethylbenzene	5.0
		1,3,5-Trimethylbenzene	5.0
		m-Xylene	5.0
		o-Xylene	5.0
		p-Xylene	5.0

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS for 1990
COMMUNITY PUBLIC WATER SYSTEMS
GROUNDWATER SOURCES**

Analysis Code	Type of Analysis	Constituents	MCL or NCDH Reqmt [n]
(1)	(2)	(3)	(4)
THM.1	Trihalomethanes (THM)	Maximum Total Trihalomethane Potential (MTP) – Bromoform – Chloroform – Bromodichloromethane – Chlorodibromomethane	100.0
MIC.1	Microbiological	Total Coliform	[5]

[n] NCDH requirement.

- [1] In supplies that fluoridate, the fluoride level must be maintained in the range of 0.8 to 1.2 mg/l.
- [2] Total iron and manganese cannot exceed 0.5 mg/l.
- [3] The NCDH recommends that the Langelier Saturation Index should be as close to zero as possible.
- [4] The NYDOH recommends that the sodium level not exceed 20 mg/l for severely restricted sodium diets and 270 mg/l for moderately restricted sodium diets.
- [5] The Microbiological MCL Determination as specified in Sections 5-1.51 and 5-5.52, Table 6, Drinking Water Supplies, of the State Sanitary Code, effective November 28, 1988.

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS FOR 1990
COMMUNITY PUBLIC WATER SUPPLY SYSTEMS
DISTRIBUTION MONITORING**

WATER SUPPLY CODE: FREQUENCY:	PHY.1	IOC.1	IOC.2	P&H.1	VOC.1	THM.1	MIC.1
	SA	TA	SA	TA	TA	A	M
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ALBERTSON WD	1	1	1	1	1	NR	15
BAYVILLE (V)	1	1	1	1	1	NR	9
BETHPAGE WD	2	2	2	2	2	NR	35
BOWLING GREEN WD	1	1	1	1	1	1	13
CARLE PLACE WD	1	1	1	1	1	NR	12
GREAT NECK NORTH WA	2	2	2	2	2	4	35
DeFOREST DRIVE ASSOC	1	1	1	1	1	1	2
EAST MEADOW WD	3	3	3	3	3	3	55
EAST WILLISTON (V)	1	1	1	1	1	NR	3
FARMINGDALE (V)	1	1	1	1	1	NR	9
FRANKLIN SQ WD	2	2	2	2	2	NR	23
FREEPORT (V)	3	3	3	3	3	NR	45
GARDEN CITY (V)	2	2	2	2	2	NR	26
GARDEN CITY PARK WD	2	2	2	2	2	NR	23
GARDEN CITY SO WD	1	1	1	1	1	1	2
GLEN COVE CITY	2	2	2	2	2	NR	30
GLEN COVE COMM HOSP *	1	1	1	1	1	1	2
GLENWOOD WD	1	1	1	1	1	NR	2
HEMPSTEAD (V)	3	3	3	3	3	3	45
HICKSVILLE WD	3	3	3	3	3	4	55
JAMAICA WS CO	5	5	5	5	5	6	100
JERICHO WD	4	4	4	4	4	NR	65
LEVITTOWN WD	3	3	3	3	3	5	55
LIDO-PT LOOKOUT WD	1	1	1	1	1	1	5
LIWC	8	8	8	8	8	8	150
LOCUST VALLEY WD	1	1	1	1	1	NR	8
LONG BEACH CITY	2	2	2	2	2	1	40
MANHASSET-LAKEVILLE WD	3	3	3	3	3	4	50
MASSAPEQUA WD	3	3	3	3	3	3	60
MILL NECK ESTATES WS	1	1	1	1	1	1	2
MINEOLA (V)	2	2	2	2	2	NR	23
N/E FARMINGDALE WD	1	1	1	1	1	NR	1 [1]

Frequency of testing:

A - Annual SA - Semi-Annual NR - Not Required

M - Monthly TA - Triennial

Numbers represent samples to be taken at the indicated frequency.

* Became North Shore University Hospital at Glen Cove in 1990.

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS FOR 1990
COMMUNITY PUBLIC WATER SUPPLY SYSTEMS
DISTRIBUTION MONITORING**

WATER SUPPLY CODE: FREQUENCY:	PHY.1	IOC.1	IOC.2	P&H.1	VOC.1	THM.1	MIC.1
	SA	TA	SA	TA	TA	A	M
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
NYWS	7	7	7	7	7	7	130
OLD WESTBURY (V)	1	1	1	1	1	NR	4
OYSTER BAY WD	1	1	1	1	1	2	10
PLAINVIEW WD	2	2	2	2	2	4	40
PLANDOME (V)	1	1	1	1	1	NR	2
PLANTING FIELDS ARBOR	1	1	1	1	1	NR	2
PORT WASHINGTON WD	3	3	3	3	3	4	45
ROCKVILLE CENTRE (V)	2	2	2	2	2	NR	30
ROOSEVELT FIELD WD	1	1	1	1	1	2	2
ROSLYN WD	2	2	2	2	2	NR	30
SANDS POINT (V)	1	1	1	1	1	NR	2
SEA CLIFF WATER CO	1	1	1	1	1	2	20
SOUTH FARMINGDALE WD	3	3	3	3	3	4	55
SPLIT ROCK WS	1	1	1	1	1	NR	2
SWAN COVE WS	1	1	1	1	1	1	2
UNIONDALE WD	2	2	2	2	2	2	26
WEST HEMPSTEAD WD	2	2	2	2	2	2	35
WESTBURY WD	2	2	2	2	2	NR	23
WILLISTON PARK (V)	1	1	1	1	1	NR	9

Frequency of testing:

A - Annual SA - Semi-Annual NR - Not Required

M - Monthly TA - Triennial

Numbers represent samples to be taken at the indicated frequency.

* Became North Shore University Hospital at Glen Cove in 1990.

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS FOR 1990
COMMUNITY PUBLIC WATER SUPPLY SYSTEMS
SOURCE MONITORING**

WATER SUPPLY	CODE:	PHY.1	IOC.1	IOC.2	P&H.1	P&H.2	VOC.1	VOC.2	MIC.1
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
ALBERTSON WD		A	A	A	A	A	Q	Q	Q
BAYVILLE (V)		A	A	A	A	A	Q	Q	Q
BETHPAGE WD		A	A	A	A	A	Q	Q	Q
BOWLING GREEN WD		A	A	A	A	A	Q	Q	Q
CARLE PLACE WD		A	A	A	A	A	Q	Q	Q
GREAT NECK NORTH WA		A	A	A	A	A	Q	Q	Q
DeFOREST DRIVE ASSOC		A	A	A	A	A	A	A	Q
EAST MEADOW WD		A	A	A	A	A	Q	Q	Q
EAST WILLISTON (V)		NR							
FARMINGDALE (V)		A	A	A	A	A	Q	Q	Q
FRANKLIN SQ WD		A	A	A	A	A	Q	Q	Q
FREEPORT (V)		A	A	A	A	A	Q	Q	Q
GARDEN CITY (V)		A	A	A	A	A	Q	Q	Q
GARDEN CITY PARK WD		A	A	A	A	A	Q	Q	Q
GARDEN CITY SO WD		NR							
GLEN COVE CITY		A	A	A	A	A	Q	Q	Q
GLEN COVE COMM HOSP *		A	A	A	A	A	A	A	Q
GLENWOOD WD		NR							
HEMPSTEAD (V)		A	A	A	A	A	Q	Q	Q
HICKSVILLE WD		A	A	A	A	A	Q	Q	Q
JAMAICA WS CO		A	A	A	A	A	Q	Q	Q
JERICHO WD		A	A	A	A	A	Q	Q	Q
LEVITTOWN WD		A	A	A	A	A	Q	Q	Q
LIDO-PT LOOKOUT WD		A	A	A	A	A	Q	Q	Q
LIWC		A	A	A	A	A	Q	Q	Q
LOCUST VALLEY WD		A	A	A	A	A	Q	Q	Q
LONG BEACH CITY		A	A	A	A	A	Q	Q	Q
MANHASSET-LAKE WD		A	A	A	A	A	Q	Q	Q
MASSAPEQUA WD		A	A	A	A	A	Q	Q	Q
MILL NECK ESTATES WS		A	A	A	A	A	A	A	Q
MINEOLA (V)		A	A	A	A	A	Q	Q	Q
N/E FARMINGDALE WD		NR							

* Became North Shore University Hospital at Glen Cove in 1990.

Frequency of testing:

A - Annual

Q - Quarterly

NR - Not Required

NASSAU COUNTY DEPARTMENT OF HEALTH

**WATER QUALITY MONITORING REQUIREMENTS FOR 1990
COMMUNITY PUBLIC WATER SUPPLY SYSTEMS
SOURCE MONITORING**

WATER SUPPLY	CODE:	PHY.1	IOC.1	IOC.2	P&H.1	P&H.2	VOC.1	VOC.2	MIC.1
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
NYWS		A	A	A	A	A	Q	Q	Q
OLD WESTBURY (V)		A	A	A	A	A	Q	Q	Q
OYSTER BAY WD		A	A	A	A	A	Q	Q	Q
PLAINVIEW WD		A	A	A	A	A	Q	Q	Q
PLANDOME (V)		A	A	A	A	A	Q	Q	Q
PLANTING FIELDS ARBOR		NR							
PORT WASHINGTON WD		A	A	A	A	A	Q	Q	Q
ROCKVILLE CENTRE (V)		A	A	A	A	A	Q	Q	Q
ROOSEVELT FIELD WD		A	A	A	A	A	Q	Q	Q
ROSLYN WD		A	A	A	A	A	Q	Q	Q
SANDS POINT (V)		A	A	A	A	A	Q	Q	Q
SEA CLIFF WATER CO		A	A	A	A	A	Q	Q	Q
SOUTH FARMINGDALE WD		A	A	A	A	A	Q	Q	Q
SPLIT ROCK WS		A	A	A	A	A	A	A	Q
SWAN COVE WS		A	A	A	A	A	A	A	Q
UNIONDALE WD		A	A	A	A	A	Q	Q	Q
WEST HEMPSTEAD WD		A	A	A	A	A	Q	Q	Q
WESTBURY WD		A	A	A	A	A	Q	Q	Q
WILLISTON PARK (V)		A	A	A	A	A	Q	Q	Q

* Became North Shore University Hospital at Glen Cove in 1990.

Frequency of testing: A – Annual Q – Quarterly NR – Not Required

NASSAU COUNTY DEPARTMENT OF HEALTH

**INORGANIC CHEMICAL QUALITY - NITRATE as NITROGEN
RAW WATER**
DATA BETWEEN JANUARY 1, 1990 AND DECEMBER 31, 1990

WELL TYPE	AQUIFER	WELLS TESTED	<1 mg/l		1 to 10 mg/l		>10 mg/l	
			WELLS DETECTED	%	WELLS DETECTED	%	WELLS DETECTED	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PUBLIC SUPPLY								
GLACIAL	25		3	12%	21	84%	1	4%
MAGOOTHY	263		115	44%	138	52%	10	4%
LLOYD	35		27	77%	8	23%	0	0%
Subtotal	323		145	45%	167	52%	11	3%
MONITORING								
GLACIAL	115		20	17%	91	79%	4	3%
MAGOOTHY	26		7	27%	14	54%	5	19%
LLOYD	1		1	100%	0	0%	0	0%
Subtotal	142		28	20%	105	74%	9	6%
ALL WELLS								
GLACIAL	140		23	16%	112	80%	5	4%
MAGOOTHY	289		122	42%	152	53%	15	5%
LLOYD	36		28	78%	8	22%	0	0%
Total	465		173	37%	272	58%	20	4%

Based on data from NCDH and certified private laboratories and the last sample at each well during the given period.

NASSAU COUNTY DEPARTMENT OF HEALTH

INORGANIC CHEMICAL QUALITY - HEAVY METALS AND CYANIDE

RAW WATER
Data Between January 1, 1980 and December 31, 1980

COMPOUNDS (1)	DRINKING WATER STANDARD MG/L (a) (2)	PUBLIC SUPPLY			MONITORING			TOTAL WELLS					
		WELLS TESTED (3)	WELLS DETECTED (4)	MAX VALUE MG/L (5)	WELLS TESTED (6)	WELLS DETECTED (7)	MAX VALUE MG/L (8)	WELLS TESTED (9)	WELLS DETECTED (10)	MAX VALUE MG/L (11)	WELLS TESTED (12)	WELLS DETECTED (13)	MAX VALUE MG/L (14)
Arsenic	0.05	363	3	0	0.02	146	2	0	0.029	509	5	0	0.029
Barium	1.0	363	3	0	0.2	146	19	1	1.50	509	22	1	1.50
Cadmium	0.010	363	2	0	0.001	146	25	3	0.274	509	27	3	0.274
Chromium	0.05	363	1	0	0.01	146	13	5	0.21	509	14	5	0.21
Copper (b)	1.0	370	139	1	2.90	147	30	1	1.53	517	169	2	2.90
Cyanide	None	45	0	0	-	1	0	0	-	46	0	0	-
Fluoride	2.0	340	8	0	0.22	146	2	0	0.5	486	10	0	0.5
Lead	0.05	363	18	0	0.037	146	43	12	1.90	509	61	12	1.90
Mercury	0.002	357	3	0	0.001	133	0	0	-	490	3	0	0.001
Selenium	0.01	363	4	0	0.004	146	0	0	-	509	4	0	0.004
Silver	0.05	363	0	0	-	146	0	0	-	509	0	0	-
Zinc	5.0	329	99	0	0.59	3	2	0	0.1	332	101	0	0.59

Based on the last result for each well tested during the period. Data from NCDH and certified private laboratories.

- (a) Drinking Water Standard from Part 5, NYCRFR, Public Water Supplies.
 (b) The public supply well exceeding the copper standard is not in use and was not in use when tested.

NASSAU COUNTY DEPARTMENT OF HEALTH

**ORGANIC CHEMICAL LEVELS DETECTED IN WELLS BY AQUIFER
RAW WATER**

Data Between January 1, 1990 and December 31, 1990

WELL TYPE AQUIFER	WELLS TESTED	LEVEL DETECTED (ug/l)							
		NONE DETECTED		<5		DETECTED 5 to 50		DETECTED >50	
		WELLS	%	WELLS	%	WELLS	%	WELLS	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PUBLIC SUPPLY									
GLACIAL	29	16	55%	11	38%	2	7%	0	0%
MAGOOTHY	300	211	70%	54	18%	27	9%	8	3%
LLOYD	38	34	89%	3	8%	1	3%	0	0%
Subtotal	367	261	71%	68	19%	30	8%	8	2%
MONITORING									
GLACIAL	82	38	46%	20	24%	14	17%	10	12%
MAGOOTHY	23	15	65%	5	22%	1	4%	2	9%
LLOYD	1	1	100%	0	0%	0	0%	0	0%
Subtotal	106	54	51%	25	24%	15	14%	12	11%
ALL WELLS									
GLACIAL	111	54	49%	31	28%	16	14%	10	9%
MAGOOTHY	323	226	70%	59	18%	28	9%	10	3%
LLOYD	39	35	90%	3	8%	1	3%	0	0%
Total	473	315	67%	93	20%	45	10%	20	4%

Based on the maximum level detected for any individual organic chemical in the last sample at each well tested during the above time period. Data from NCDH and certified private laboratories.

NASSAU COUNTY DEPARTMENT OF HEALTH
VOLATILE ORGANIC CHEMICALS
MOST FREQUENTLY DETECTED IN PUBLIC SUPPLY WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

ALL WELLS TESTED (367)	GLACIAL WELLS TESTED (29)
Tetrachloroethylene (15%) 1,1,1-Trichloroethane (12%) Trichloroethylene (10%) 1,1-Dichloroethane (8%) 1,1-Dichloroethylene (5%)	1,1,1-Trichloroethane (28%) Chloroform (24%) 1,1-Dichloroethane (20%) Tetrachloroethylene (17%) 1,1-Dichloroethylene (7%)
MAGOTHY WELLS TESTED (300)	LLOYD WELLS TESTED (38)
Tetrachloroethylene (16%) Trichloroethylene (12%) 1,1,1-Trichloroethane (11%) 1,1-Dichloroethane (8%) 1,1-Dichloroethylene (5%)	Tetrachloroethylene (5%) Chloroform (5%) cis 1,2-Dichloroethylene (4%) 1,1,1-Trichloroethane (3%)

**Based on the last sample at each well tested during the period.
Data from NCDH and certified private laboratory testing.**

MASSAU COUNTY DEPARTMENT OF HEALTH
ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
GLACIAL AQUIFER WELLS
RAW WATER

Data Between January 1, 1980 and December 31, 1980

CONSTITUENT (1)	PUBLIC SUPPLY WELLS						MONITORING WELLS *						TOTAL WELLS		
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)			
Benzene	29	0	0%	-	85	3	4%	240.0	114	3	3%	240.0			
Bromobenzene	29	0	0%	-	79	0	0%	-	108	0	0%	0.0			
Bromochloromethane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
Bromodichloromethane	25	1	4%	0.7	67	0	0%	-	92	1	1%	0.7			
Bromoform	25	1	4%	1.4	66	0	0%	-	91	1	1%	1.4			
Bromomethane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
n-Butylbenzene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			
sec-Butylbenzene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			
tert-Butylbenzene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			
Carbon Tetrachloride	25	0	0%	-	84	0	0%	-	89	0	0%	0.0			
Chlorobenzene	29	0	0%	-	80	1	1%	2.0	109	1	1%	2.0			
Chlorodibromomethane	25	0	0%	-	63	0	0%	-	88	0	0%	0.0			
Chloroethane	23	0	0%	-	2	0	0%	-	25	0	0%	0.0			
Chloroform	25	6	24%	1.0	85	8	12%	93.0	90	14	16%	93.0			
Chloromethane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
o-Chlorotoluene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			
p-Chlorotoluene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			
Dibromomethane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
1,2-dichlorobenzene	25	0	0%	-	9	0	0%	-	34	0	0%	0.0			
1,3-dichlorobenzene	25	0	0%	-	9	0	0%	-	34	0	0%	0.0			
1,4-dichlorobenzene	25	0	0%	-	9	0	0%	-	34	0	0%	0.0			
Dichlorodifluoromethane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
1,1-dichloroethane	25	5	20%	2.2	67	19	28%	42.0	92	24	28%	42.0			

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

• Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

**ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
GLACIAL AQUIFER WELLS**
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS						MONITORING WELLS *						TOTAL WELLS		
	TESTED (1)	DETECTED (2)	% (3)	MAX LEVEL (4)	TESTED (5)	DETECTED (6)	% (7)	MAX LEVEL (8)	TESTED (9)	DETECTED (10)	% (11)	MAX LEVEL (12)	% (13)		
1,2-dichloroethane	25	0	0%	-	65	4	6%	51.0	90	4	4%	51.0			
1,1-dichloroethylene	29	2	7%	2.0	79	20	25%	1700.0	108	22	20%	1700.0			
cis-1,2-dichloroethylene	29	0	0%	-	78	20	26%	4000.0	107	20	19%	4000.0			
trans-1,2-dichloroethylene	29	0	0%	-	78	3	4%	37.0	107	3	3%	37.0			
1,2-dichloropropane	25	0	0%	-	61	2	3%	1.0	88	2	2%	1.0			
1,3-dichloropropane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
2,2-dichloropropane	22	0	0%	-	1	0	0%	-	23	0	0%	0.0			
1,1-dichloropropene	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
cis-1,3-dichloropropene	29	0	0%	-	77	2	3%	1.0	106	2	2%	1.0			
trans-1,3-dichloropropene	28	0	0%	-	78	0	0%	-	106	0	0%	0.0			
Ethyl Benzene	28	0	0%	-	82	0	0%	-	110	0	0%	0.0			
Hexachlorobutadiene	24	0	0%	-	8	0	0%	-	32	0	0%	0.0			
Isopropylbenzene	24	0	0%	-	8	0	0%	-	32	0	0%	0.0			
p-Isopropyltoluene	24	0	0%	-	8	0	0%	-	32	0	0%	0.0			
Methylene chloride	24	0	0%	-	67	2	3%	2.0	91	2	2%	2.0			
N-propylbenzene	24	0	0%	-	8	0	0%	-	32	0	0%	0.0			
Styrene	24	0	0%	-	8	0	0%	-	32	0	0%	0.0			
1,1,1,2-tetrachloroethane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0			
1,1,2,2-tetrachloroethane	25	0	0%	-	63	0	0%	-	88	0	0%	0.0			
Tetrachloroethylene	29	5	17%	8.0	82	32	39%	1600.0	111	37	33%	1600.0			
Toluene	19	0	0%	-	82	5	6%	8.0	101	5	5%	8.0			
1,2,3-Trichlorobenzene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			
1,2,4-Trichlorobenzene	25	0	0%	-	8	0	0%	-	33	0	0%	0.0			

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.
 • Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
GLACIAL AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT (1)	PUBLIC SUPPLY WELLS				MONITORING WELLS *				TOTAL WELLS			
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)
1,1,1-Trichloroethane	25	7	28%	7.0	68	25	38%	1300.0	91	32	35%	1300.0
1,1,2-Trichloroethane	25	0	0%	-	68	2	3%	11.0	91	2	2%	11.0
Trichloroethylene	29	1	3%	2.3	82	24	29%	1900.0	111	25	23%	1900.0
Trichlorofluoromethane	25	0	0%	2.0	65	4	6%	19.0	90	4	4%	19.0
1,2,3-Trichloropropane	23	0	0%	-	1	0	0%	-	24	0	0%	0.0
1,2,4-Trimethylbenzene	25	0	0%	-	6	0	0%	-	31	0	0%	0.0
1,3,5-Trimethylbenzene	25	0	0%	-	6	0	0%	-	31	0	0%	0.0
Vinyl Chloride	29	0	0%	-	81	8	10%	89.0	110	8	7%	89.0
m-Xylene	25	0	0%	-	9	0	0%	-	34	0	0%	0.0
o-Xylene	25	0	0%	-	9	0	0%	-	34	0	0%	0.0
p-Xylene	25	0	0%	-	9	0	0%	-	34	0	0%	0.0
Ethyldibromide (EDB)	15	0	0%	-	-	-	-	-	15	0	0%	0.0
1,2-Dibromo-3-chloropropane (DBCP)	15	0	0%	-	-	-	-	-	15	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

- Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
MAGGOTHY AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS			MONITORING WELLS*			TOTAL WELLS			% TESTED	% DETECTED	% MAX LEVEL	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Benzene	300	0	0%	0%	-	22	1	5%	1.0	322	1	0%	1.0
Bromobenzene	298	0	0%	0%	-	22	0	0%	-	320	0	0%	0.0
Bromochloromethane	285	0	0%	0%	-	1	0	0%	-	288	0	0%	0.0
Bromodichloromethane	298	0	0%	0%	-	16	1	6%	3.0	314	1	0%	3.0
Bromoform	298	8	3%	6.3	16	0	0%	-	314	8	3%	6.3	
Bromomethane	285	0	0%	0%	-	1	0	0%	-	286	0	0%	0.0
n-Butylbenzene	288	0	0%	0%	-	2	0	0%	-	290	0	0%	0.0
sec-Butylbenzene	288	0	0%	0%	-	2	0	0%	-	290	0	0%	0.0
tert-Butylbenzene	287	0	0%	0%	-	2	0	0%	-	289	0	0%	0.0
Carbon Tetrachloride	299	2	1%	0.7	10	0	0%	-	315	2	1%	0.7	
Chlorobenzene	299	0	0%	0%	-	23	0	0%	-	322	0	0%	0.0
Chlorodibromomethane	298	5	2%	2.2	16	0	0%	-	314	5	2%	2.2	
Chloroethane	284	0	0%	0%	-	1	0	0%	-	285	0	0%	0.0
Chloroform	298	9	3%	2.6	16	0	0%	-	314	9	3%	2.6	
Chloromethane	284	0	0%	0%	-	1	0	0%	-	285	0	0%	0.0
o-Chlorotoluene	287	0	0%	0%	-	2	0	0%	-	289	0	0%	0.0
p-Chlorotoluene	285	0	0%	0%	-	2	0	0%	-	287	0	0%	0.0
Dibromomethane	282	0	0%	0%	-	1	0	0%	-	283	0	0%	0.0
1,2-dichlorobenzene	285	0	0%	0%	-	2	0	0%	-	287	0	0%	0.0
1,3-dichlorobenzene	285	0	0%	0%	-	2	0	0%	-	287	0	0%	0.0
1,4-dichlorobenzene	286	0	0%	0%	-	2	0	0%	-	288	0	0%	0.0
Dichlorodifluoromethane	282	2	1%	0.7	1	0	0%	-	283	2	1%	0.7	
1,1-dichloroethane	296	24	8%	6.3	15	3	20%	33.0	311	27	9%	33.0	

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

* Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
MAGOTHY AQUIFER WELLS
RAW WATER

Data Between January 1, 1980 and December 31, 1980

CONSTITUENT	PUBLIC SUPPLY WELLS				MONITORING WELLS *				TOTAL WELLS			
	TESTED (1)	DETECTED (2)	% (3)	MAX LEVEL (4)	TESTED (5)	DETECTED (6)	% (7)	MAX LEVEL (8)	TESTED (9)	DETECTED (10)	% (11)	MAX LEVEL (12)
1,2-dichloroethane	294	0	0%	-	15	0	0%	-	309	0	0%	0.0
1,1-dichloroethylene	300	16	5%	67.0	22	4	18%	3.0	322	20	6%	67.0
cis-1,2-dichloroethylene	297	9	3%	19.0	22	2	9%	79.0	319	11	3%	79.0
trans-1,2-dichloroethylene	299	0	0%	-	22	1	5%	2.0	321	1	0%	2.0
1,2-dichloropropane	297	4	1%	3.0	15	0	0%	-	312	4	1%	3.0
1,3-dichloropropane	284	0	0%	-	1	0	0%	-	285	0	0%	0.0
2,2-dichloropropane	281	1	0%	0.8	1	0	0%	-	282	1	0%	0.8
1,1-dichloropropene	284	0	0%	-	1	0	0%	-	285	0	0%	0.0
cis-1,3-dichloropropene	298	0	0%	-	22	0	0%	-	320	0	0%	0.0
trans-1,3-dichloropropene	297	0	0%	-	22	0	0%	-	319	0	0%	0.0
Ethyl Benzene	299	0	0%	-	22	0	0%	-	321	0	0%	0.0
Hexachlorobutadiene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0
Isopropylbenzene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0
p-isopropyltoluene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0
Methylene chloride	298	3	1%	2.0	15	0	0%	-	313	3	1%	2.0
N-propylbenzene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0
Styrene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0
1,1,1,2-tetrachloroethane	283	0	0%	-	1	0	0%	-	284	0	0%	0.0
1,1,2,2-tetrachloroethane	297	0	0%	-	15	0	0%	-	312	0	0%	0.0
Tetrachloroethylene	299	48	16%	500.0	22	9	41%	1400.0	321	57	18%	1400.0
Toluene	299	1	0%	1.7	22	0	0%	-	321	1	0%	1.7
1,2,3-Trichlorobenzene	286	0	0%	-	2	0	0%	-	288	0	0%	0.0
1,2,4-Trichlorobenzene	286	0	0%	-	2	0	0%	-	288	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

* Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
MAGOOTHY AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS						MONITORING WELLS *						TOTAL WELLS		
	TESTED (1)	DETECTED (2)	% (3)	MAX LEVEL (4)	TESTED (5)	DETECTED (6)	% (7)	MAX LEVEL (8)	TESTED (9)	DETECTED (10)	% (11)	TESTED (12)	DETECTED (13)	% (14)	MAX LEVEL (15)
1,1,1-Trichloroethane	298	34	11%	99.0	16	4	25%	1.0	314	38	12%	99.0			
1,1,2-Trichloroethane	297	0	0%	-	15	0	0%	-	312	0	0%	0.0			
Trichloroethylene	300	37	12%	140.0	22	5	23%	24.0	322	42	13%	140.0			
Trichlorofluoromethane	298	6	2%	67.0	15	0	0%	-	313	6	2%	67.0			
1,2,3-Trichloropropane	285	1	0%	0.5	1	0	0%	-	286	1	0%	0.5			
1,2,4-Trimethylbenzene	288	0	0%	-	2	0	0%	-	290	0	0%	0.0			
1,3,5-Trimethylbenzene	288	0	0%	-	2	0	0%	-	290	0	0%	0.0			
Vinyl Chloride	300	0	0%	-	22	1	5%	5.0	322	1	0%	5.0			
m-Xylene	287	1	0%	1.6	2	0	0%	-	289	1	0%	1.6			
o-Xylene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0			
p-Xylene	287	0	0%	-	2	0	0%	-	289	0	0%	0.0			
Ethyldibromide (EDB)	166	0	0%	-	0	0	-	-	166	0	0%	0.0			
1,2-Dibromo-3-chloro-propane (DBCP)	200	0	0%	-	0	0	-	-	200	0	0%	0.0			

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

* Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NAASSAU COUNTY DEPARTMENT OF HEALTH
ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
LLOYD AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS				MONITORING WELLS *				TOTAL WELLS			
	TESTED (1)	DETECTED (2)	% (3)	MAX LEVEL (4)	TESTED (5)	DETECTED (6)	% (7)	MAX LEVEL (8)	TESTED (9)	DETECTED (10)	% (11)	MAX LEVEL (12)
Benzene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Bromobenzene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Bromochloromethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Bromodichloromethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Bromoform	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Bromomethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
n-Butylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
sec-Butylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
tert-Butylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Carbon Tetrachloride	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Chlorobenzene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Chlorodibromomethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Chloroethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Chloroform	38	2	5%	-	1.0	1	0%	-	39	2	5%	1.0
Chloromethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
o-Chlorotoluene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
p-Chlorotoluene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Dibromomethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
1,2-dichlorobenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
1,3-dichlorobenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
1,4-dichlorobenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Dichlorodifluoromethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
1,1-dichloroethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

- Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
LLOYD AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT (1)	PUBLIC SUPPLY WELLS						MONITORING WELLS *						TOTAL WELLS		
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)			
												TESTED	DETECTED	%	
1,2-dichloroethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
1,1-dichloroethylene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
cis-1,2-dichloroethylene	28	1	4%	28.0	1	0	0%	-	29	1	3%	28.0	1	3%	0.0
trans-1,2-dichloroethylene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
1,2-dichloropropane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
1,3-dichloropropane	37	0	0%	-	0	0	-	-	37	0	0%	0.0	0	0	0%
2,2-dichloropropane	37	0	0%	-	0	0	-	-	37	0	0%	0.0	0	0	0%
1,1-dichloropropene	37	0	0%	-	0	0	-	-	37	0	0%	0.0	0	0	0%
cis-1,3-dichloropropene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
trans-1,3-dichloropropene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
Ethyl Benzene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
Hexachlorobutadiene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
Isopropylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
p-Isopropyltoluene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
Methylene chloride	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
N-propylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
Styrene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
1,1,1,2-tetrachloroethane	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
1,1,2,2-tetrachloroethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
Tetrachloroethylene	38	2	5%	8.0	1	0	0%	-	39	2	5%	8.0	2	5%	0.0
Toluene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0	0	0	0%
1,2,3-Trichlorobenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%
1,2,4-Trichlorobenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0	0	0	0%

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

- Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

MASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
LLOYD AQUIFER WELLS
RAW WATER

Data Between January 1, 1980 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS				MONITORING WELLS *				TOTAL WELLS			
	TESTED (1)	DETECTED (2)	% (3)	MAX LEVEL (4)	TESTED (5)	DETECTED (6)	% (7)	MAX LEVEL (8)	TESTED (9)	DETECTED (10)	% (11)	MAX LEVEL (12)
1,1,1-Trichloroethane	38	1	3%	1.2	1	0	0%	-	39	1	3%	1.2
1,1,2-Trichloroethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Trichloroethylene	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
Trichlorofluoromethane	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
1,2,3-Trichloropropane	38	0	0%	-	0	0	-	-	38	0	0%	0.0
1,2,4-Trimethylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
1,3,5-Trimethylbenzene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Vinyl Chloride	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
m-Xylene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
o-Xylene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
p-Xylene	38	0	0%	-	0	0	-	-	38	0	0%	0.0
Ethyldibromide (EDB)	16	0	0%	-	0	0	-	-	16	0	0%	0.0
1,2-Dibromo-3-chloro-propane (DBCP)	19	0	0%	-	0	0	-	-	19	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

- Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
TOTAL OF ALL WELLS TESTED
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT (1)	PUBLIC SUPPLY WELLS				MONITORING WELLS*				TOTAL WELLS			
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)
Benzene	367	0	0%	0.0	108	4	4%	240.0	475	4	1%	240.0
Bromobenzene	365	0	0%	0.0	102	0	0%	0.0	467	0	0%	0.0
Bromochloromethane	348	0	0%	0.0	2	0	0%	0.0	348	0	0%	0.0
Bromodichloromethane	361	1	0%	0.7	84	1	1%	3.0	446	2	0%	3.0
Bromoform	361	9	2%	6.3	83	0	0%	0.0	444	9	2%	6.3
Bromomethane	348	0	0%	0.0	2	0	0%	0.0	348	0	0%	0.0
1-Butylbenzene	351	0	0%	0.0	10	0	0%	0.0	361	0	0%	0.0
sec-Butylbenzene	351	0	0%	0.0	10	0	0%	0.0	361	0	0%	0.0
tert-Butylbenzene	350	0	0%	0.0	10	0	0%	0.0	360	0	0%	0.0
Carbon Tetrachloride	362	2	1%	3.7	81	0	0%	0.0	443	2	0%	3.7
Chlorobenzene	368	0	0%	0.0	104	1	1%	2.0	470	1	0%	2.0
Chlorodibromomethane	361	5	1%	2.2	80	0	0%	0.0	441	5	1%	2.2
Chloroethane	345	0	0%	0.0	3	0	0%	0.0	348	0	0%	0.0
Chloroform	361	17	5%	2.6	82	8	10%	93.0	443	25	6%	93.0
Chloromethane	345	0	0%	0.0	2	0	0%	0.0	347	0	0%	0.0
o-Chlorotoluene	350	0	0%	0.0	10	0	0%	0.0	360	0	0%	0.0
p-Chlorotoluene	348	0	0%	0.0	10	0	0%	0.0	358	0	0%	0.0
Dibromomethane	343	0	0%	0.0	2	0	0%	0.0	345	0	0%	0.0
1,2-dichlorobenzene	348	0	0%	0.0	11	0	0%	0.0	359	0	0%	0.0
1,3-dichlorobenzene	348	0	0%	0.0	11	0	0%	0.0	359	0	0%	0.0
1,4-dichlorobenzene	349	0	0%	0.0	11	0	0%	0.0	360	0	0%	0.0
Dichlorodifluoromethane	343	2	1%	0.7	2	0	0%	0.0	345	2	1%	0.7
1,1-dichloroethane	359	29	8%	6.3	83	22	27%	42.0	442	51	12%	42.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

- Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

MASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
TOTAL OF ALL WELLS TESTED
RAW WATER

Data Between January 1, 1980 and December 31, 1980

CONSTITUENT (1)	PUBLIC SUPPLY WELLS				MONITORING WELLS *				TOTAL WELLS			
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)
1,2-dichloroethane	357	0	0%	0.0	81	4	5%	51.0	438	4	1%	51.0
1,1-dichloroethylene	367	18	5%	67.0	102	24	24%	1700.0	469	42	9%	1700.0
cis-1,2-dichloroethylene	354	10	3%	28.0	101	22	22%	4000.0	455	32	7%	4000.0
trans-1,2-dichloroethylene	368	0	0%	0.0	101	4	4%	37.0	467	4	1%	37.0
1,2-dichloropropane	360	4	1%	3.0	77	2	3%	1.0	437	6	1%	3.0
1,3-dichloropropane	344	0	0%	0.0	2	0	0%	0.0	348	0	0%	0.0
2,2-dichloropropane	340	1	0%	0.8	2	0	0%	0.0	342	1	0%	0.8
1,1-dichloropropene	344	0	0%	0.0	2	0	0%	0.0	346	0	0%	0.0
cis-1,3-dichloropropene	365	0	0%	0.0	100	2	2%	1.0	465	2	0%	1.0
trans-1,3-dichloropropene	363	0	0%	0.0	101	0	0%	0.0	464	0	0%	0.0
Ethyl Benzene	365	0	0%	0.0	105	0	0%	0.0	470	0	0%	0.0
Hexachlorobutadiene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0
Isopropylbenzene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0
p-isopropyltoluene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0
Methylene chloride	360	3	1%	2.0	83	2	2%	2.0	443	5	1%	2.0
N-propylbenzene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0
Styrene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0
1,1,1,2-tetrachloroethane	344	0	0%	0.0	2	0	0%	0.0	346	0	0%	0.0
1,1,2,2-tetrachloroethane	360	0	0%	0.0	79	0	0%	0.0	439	0	0%	0.0
Tetrachloroethylene	366	55	15%	500.0	105	41	39%	1600.0	471	96	20%	1600.0
Toluene	358	1	0%	1.7	105	5	5%	8.0	461	6	1%	8.0
1,2,3-Trichlorobenzene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0
1,2,4-Trichlorobenzene	349	0	0%	0.0	10	0	0%	0.0	359	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

- Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
TOTAL OF ALL WELLS TESTED
RAWWATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT (1)	PUBLIC SUPPLY WELLS				MONITORING WELLS*				TOTAL WELLS			
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)
1,1,1-Trichloroethane	361	42	12%	99.0	83	29	35%	1300.0	444	71	16%	1300.0
1,1,2-Trichloroethane	360	0	0%	0.0	82	2	2%	11.0	442	2	0%	11.0
Trichloroethylene	367	38	10%	140.0	105	29	28%	1800.0	472	67	14%	1800.0
Trichlorofluoromethane	361	6	2%	67.0	81	4	5%	19.0	442	10	2%	67.0
1,2,3-Trichloropropane	348	1	0%	0.5	2	0	0%	0.0	348	1	0%	0.5
1,2,4-Trimethylbenzene	351	0	0%	0.0	8	0	0%	0.0	359	0	0%	0.0
1,3,5-Trimethylbenzene	351	0	0%	0.0	8	0	0%	0.0	359	0	0%	0.0
Vinyl Chloride	367	0	0%	0.0	104	9	9%	89.0	471	9	2%	89.0
m-Xylene	350	1	0%	1.6	11	0	0%	0.0	361	1	0%	1.6
o-Xylene	350	0	0%	0.0	11	0	0%	0.0	361	0	0%	0.0
p-Xylene	350	0	0%	0.0	11	0	0%	0.0	361	0	0%	0.0
Ethyldibromide (EDB)	197	0	0%	0.0	0	0	-	-	197	0	0%	0.0
1,2-Dibromo-3-chloropropane (DBCP)	234	0	0%	0.0	0	0	-	-	234	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.
• Monitoring well results include some wells installed to monitor Contaminated Aquifer Segments.

NASSAU COUNTY DEPARTMENT OF HEALTH
PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
GLACIAL AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS				MONITORING WELLS				TOTAL WELLS			
	TESTED (1)	DETECTED (2)	% (3)	MAX LEVEL (4)	TESTED (5)	DETECTED (6)	% (7)	MAX LEVEL (8)	TESTED (9)	DETECTED (10)	% (11)	MAX LEVEL (12)
Pesticides												
Aldrin	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
Chlordane	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
DDT (o,p & p,p)	-	-	-	-	-	-	-	-	-	-	-	0.0
o,p-DDT	19	0	0%	-	-	-	-	-	19	0	0%	0.0
p,p-DDT	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
Dieldrin	19	0	0%	-	39	1	3%	3.0	58	1	2%	3.0
Endrin	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
Lindane	19	0	0%	-	1	0	0%	-	20	0	0%	0.0
Methoxychlor	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
Toxaphene	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
Heptachlor Epoxide	19	0	0%	-	39	0	0%	-	58	0	0%	0.0
Heptachlor	19	0	0%	-	39	1	3%	1.0	58	1	2%	1.0
Herbicides												
2,4D	19	0	0%	-	33	0	0%	-	52	0	0%	0.0
2,4,5TP (Silvex)	19	0	0%	-	33	0	0%	-	52	0	0%	0.0

All values are in ug/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

MASSAU COUNTY DEPARTMENT OF HEALTH

PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
MAGOOTHY AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS				MONITORING WELLS				TOTAL WELLS			
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)
A. Pesticides												
Aldrin	275	0	0%	-	9	0	0%	-	284	0	0%	0.0
Chlordane	275	0	0%	-	9	0	0%	-	284	0	0%	0.0
DDT (o,p & p,p)	38	0	0%	-	1	0	0%	-	39	0	0%	0.0
o,p-DDT	222	0	0%	-	-	-	-	-	222	0	0%	0.0
p,p-DDT	238	0	0%	-	8	0	0%	-	244	0	0%	0.0
Dieldrin	275	0	0%	-	9	0	0%	-	284	0	0%	0.0
Endrin	275	0	0%	-	9	0	0%	-	284	0	0%	0.0
Lindane	275	0	0%	-	1	0	0%	-	276	0	0%	0.0
Methoxychlor	276	0	0%	-	9	0	0%	-	285	0	0%	0.0
Toxaphene	276	0	0%	-	9	0	0%	-	285	0	0%	0.0
Heptachlor Epoxide	276	0	0%	-	9	0	0%	-	285	0	0%	0.0
Heptachlor	276	0	0%	-	9	0	0%	-	285	0	0%	0.0
B. Herbicides												
2,4D	277	0	0%	-	7	0	0%	-	284	0	0%	0.0
2,4,5TP (Silvex)	277	0	0%	-	7	0	0%	-	284	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

NASSAU COUNTY DEPARTMENT OF HEALTH

PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
LLOYD AQUIFER WELLS
RAW WATER

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT (1)	PUBLIC SUPPLY WELLS			MONITORING WELLS			TOTAL WELLS					
	TESTED (2)	DETECTED (3)	% (4)	MAX LEVEL (5)	TESTED (6)	DETECTED (7)	% (8)	MAX LEVEL (9)	TESTED (10)	DETECTED (11)	% (12)	MAX LEVEL (13)
A. Pesticides												
Aldrin	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Chlordane	37	0	0%	-	0	-	-	-	37	0	0%	0.0
DDT (o,p & p,p)	9	0	0%	-	0	-	-	-	9	0	0%	0.0
o,p-DDT	27	0	0%	-	0	-	-	-	27	0	0%	0.0
p,p-DDT	28	0	0%	-	0	-	-	-	28	0	0%	0.0
Dieldrin	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Endrin	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Lindane	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Methoxychlor	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Toxaphene	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Heptachlor Epoxide	37	0	0%	-	0	-	-	-	37	0	0%	0.0
Heptachlor	37	0	0%	-	0	-	-	-	37	0	0%	0.0
B. Herbicides												
2,4D	37	0	0%	-	0	-	-	-	37	0	0%	0.0
2,4,5TP (Silvex)	37	0	0%	-	0	-	-	-	37	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

MASSEAU COUNTY DEPARTMENT OF HEALTH

**PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
TOTAL OF ALL WELLS TESTED
RAW WATER**

Data Between January 1, 1990 and December 31, 1990

CONSTITUENT	PUBLIC SUPPLY WELLS				MONITORING WELLS				TOTAL WELLS			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
A. Pesticides												
Aldrin	331	0	0%	0.0	48	0	0%	0.0	379	0	0%	0.0
Chlordane	331	0	0%	0.0	48	0	0%	0.0	379	0	0%	0.0
DDT (o,p & p,p)	47	0	0%	0.0	1	0	0%	0.0	48	0	0%	0.0
o,p-DDT	268	0	0%	0.0	0	0	-	0.0	268	0	0%	0.0
p,p-DDT	283	0	0%	0.0	47	0	0%	0.0	330	0	0%	0.0
Dieldrin	331	0	0%	0.0	48	1	2%	3.0	379	1	0%	3.0
Endrin	331	0	0%	0.0	48	0	0%	0.0	379	0	0%	0.0
Lindane	331	0	0%	0.0	2	0	0%	0.0	333	0	0%	0.0
Methoxychlor	332	0	0%	0.0	48	0	0%	0.0	380	0	0%	0.0
Toxaphene	332	0	0%	0.0	48	0	0%	0.0	380	0	0%	0.0
Heptachlor Epoxide	332	0	0%	0.0	48	0	0%	0.0	380	0	0%	0.0
Heptachlor	332	0	0%	0.0	48	1	2%	1.0	380	1	0%	1.0
B. Herbicides												
2,4D	333	0	0%	0.0	40	0	0%	0.0	373	0	0%	0.0
2,4,5TP (Silvex)	333	0	0%	0.0	40	0	0%	0.0	373	0	0%	0.0

All values are in ug/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

NASSAU COUNTY DEPARTMENT OF HEALTH
MAJOR CAUSES OF ABANDONMENT OR DEEPENING
OF PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 – 1990

CAUSE (1)	WELLS ABANDONED (2)	WELLS DEEPPENED (3)	WELLS TOTAL (4)
A. Quality			
1. Nitrates	17 (a)	7	24 (a)
2. MBAS (Detergents)	10 (b)	0	10 (b)
3. Organic Chemicals	20 (c)	1	21 (c)
4. Iron	1	8	9
5. Taste and Odor	2	0	2
6. Chromates	2 (a)	0	2 (a)
7. Copper	1	0	1
8. Bacteria	1	0	1
9. Turbidity	0	1	1
Subtotal	54	17	71
B. Other			
1. Reduced Capacity	43	3	46
2. Collapse of Casing or Screen	11	1	12
3. Pulling Sand	5	4	9
Subtotal	59	8	67
Total	113	25	138

(a) Includes 1 well converted to non-public use.

(b) No current drinking water standard for MBAS.

(c) Includes 13 wells converted to non-public use.

NASSAU COUNTY DEPARTMENT OF HEALTH
ABANDONED PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 - 1990

	NYSDEC N#	WATER SUPPLY	WELL No.	DATE DRILLED	DEPTH (FT)	DATE ABANDONED	REASON (c)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	3142	Bethpage	4	1949	163	1958	Pulled Sand
2	3147	"	5	1949	233	1959	Pulled Sand
3	4063	"	7	1952	233	1971	NO3
4	4146	"	8	1956	212	1971	NO3
5	23	Citizens	3A	1937	434	1962	Capacity
6	706	Farmingdale	1-2	1936	70	1967	NO3, Fe, Mn
7	131	Freeport	1	1929	523	1955	Capacity
8	361	Garden City	1	-	40	1956	Capacity
9	91	"	2	1911	82	1965	Capacity
10	92	"	5	1926	77	1959	Capacity
11	94	"	6	1931	382	1989	Casing, Organics
12	112	Glen Cove	1	1950	150	1968 (a)	Capacity
	802-818	Glen Cove	2-18	1950	42-169	1968 (a)	Capacity
13	3466	Glen Cove	20	1950	177	1989	Organics
14	8327	Glen Cove	22	1965	168	1989	Organics
15	78	Hempstead	1	1927	376	1954	Capacity
16	148	Hicksville	2-1	1941	153	1967	Capacity
17	149	"	1-1	1941	127	1967	Capacity
18	150	"	1-2	1941	144	1953	Capacity
19	2072	"	1-3	1946	159	1967	Capacity
20	3488	"	3-1	1951	168	1980	NO3
21	3552	"	4-1	1951	169	1978	NO3
22	3553	"	5-1	1951	152	1980	Organics, NO3
23	10	Jamaica	15	1927	399	1968	Screen
24	11	"	15A	1927	408	1977	Screen
25	13	"	15C	-	287	1985	Capacity
26	12	"	15B	-	423	1985	Capacity
27	15	"	16	-	102	1986	Organics
28	4133	Jericho	8	1954	455	1980	Taste & Odor
29	4246	"	10	1954	458	1980	Organics
30	2402	Levittown	1	1952	208	1976	NO3
31	2403	"	2	1947	84	1966	NO3
32	2581	"	4	1948	80	1965	NO3, T & O
33	3193	"	5	1949	320	1960	Pulled Sand
34	3312	"	8	1950	307	1963	Pulled Sand
35	3313	"	7	1950	95	1966	NO3
36	3194	"	6	1949	256	1986	NO3
37	115	Locust Valley	1	1925	416	1970	Capacity
38	41	Long Beach	3	1937	1255	1968	Casing
39	42	"	4	1929	1184	1957	Casing
40	43	"	5	1929	1263	1965	Casing

NASSAU COUNTY DEPARTMENT OF HEALTH
ABANDONED PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 – 1990

	NYSDEC N#	WATER SUPPLY	WELL No.	DATE DRILLED	DEPTH (FT)	DATE ABANDONED	REASON (c)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
41	44	Long Beach	6	1929	1265	1970	Casing
42	1927	"	8	1943	1230	1965	Casing
43	3448	"	7	1950	1230	1972	Casing
44	3327	LIWC	7-1	1950	451	1979	Capacity
45	3782	"	9-1	1952	408	1967	Casing
46	3781	"	9-2	1951	430	1985	Casing
47	24	Man-Lakeville	5	1932	428	1982	Capacity
48	4603	Massapequa	2	1954	184	1977	Capacity, Sand, Fe
49	98	Mineola	2	1927	367	1981	Capacity
50	580	NYWS	5J	1938	45	1967	MBAS, Mn
51	634	"	6J	1938	45	1967	MBAS, Mn
52	728	"	1M	1928	40	1964	MBAS, Mn
53	729	"	2M	1936	73	1966	MBAS, Mn
54	2577	"	7J	1949	45	1967	MBAS, Mn
55	2603	"	3M	1949	72	1964	MBAS, Mn
56	3186	"	8J	1950	42	1967	MBAS, Mn
57	3187	"	9J	1950	41	1967	MBAS, Mn
58	3437	"	10J	1950	45	1967	MBAS, Mn
59	3564	"	2D	1952	69	1972	NO3, MBAS, Mn
60	3780	"	1S	1952	142	1978	NO3, Mn
61	3886	"	4M	1953	69	1964	MBAS, Mn
62	5848	"	5M	1956	332	1971	Fe
63	8672	"	3J	1971	570	1979	Capacity
64	5259	"	2N	1955	317	1982	Capacity
65	3463	"	1J	1950	306	1983	Capacity
66	3680	"	2J	1951	332	1983	Capacity
67	3894	"	1C	1953	362	1983	Capacity
68	3427	"	1D	1950	169	1983	Capacity
69	4461	"	3D	1954	176	1983	Capacity
70	105	Old Westbury	2	1935	472	1963	Capacity
71	48	RVC	1	1927	520	1955	Capacity
72	49	"	2	1927	330	1954	Capacity
73	52	"	4	1931	534	1975	Casing
74	5486	Roosevelt Field	3	1973	559	1980	Organics
75	4042	So. Farmingdale	1-1	1954	150	1982	Screen Collapse
76	827	Westbury	3	-	240	1964	Capacity
77	828	"	4	-	350	1964	Capacity
78	829	"	5	1950	252	1964	Capacity
79	1667	"	7	1941	237	1964	Capacity
80	2236	"	8	1947	570	1967	Pulled Sand

NASSAU COUNTY DEPARTMENT OF HEALTH
ABANDONED PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 - 1990

NYSDEC N#	WATER SUPPLY	WELL No.	DATE DRILLED	DEPTH (FT)	DATE ABANDONED	REASON (c)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
81	1658	Grumman Corp.	1	1941	112	1972
82	1665	"	2	1941	101	1962
83	1666	"	3	1941	99	1962
84	1923	"	4	1943	359	1977 (b)
85	1960	"	5	1944	160	1964
86	1963	"	6	1944	105	1964
87	1797	"	7	1942	94	1964
88	1911	"	8	1943	163	1964
89	1798	"	9	1941	105	1964
90	1912	"	10	1943	143	1964
91	1859	"	11	1942	164	1964
92	1961	"	12	1944	274	1964
93	4708	"	A	1954	169	1969
94	5305	"	13	1955	256	1969
95	1922	"	14	1943	151	1970
96	5306	"	15	1955	167	1972
97	8124	"	3	1966	543	1977 (b)
98	7635	"	5	1964	394	1977 (b)
99	7534	"	6	1964	368	1977 (b)
100	7535	"	8	1964	357	1977 (b)
101	8842	"	1	1972	570	1977 (b)
102	7636	"	10	1964	373	1977 (b)
103	7637	"	11	1964	490	1977 (b)
104	8643	"	14	1970	467	1977 (b)
105	8816	"	15	1972	500	1977 (b)
106	7744	Plattdeutsche	1	1965	70	1977 (b)
107	8623	Am Impr Prod	1	1966	93	1977 (b)
108	2316	Pall Corp	1	1946	180	1977 (b)
109	7664	Engineers CC	2	1965	80	1978 (b)
110	6576	Aug. Thomsen	1	1958	146	1977 (b)
111	7847	Camp Bauman	1	1965	40	1980
112	157	AHRC	1	1932	360	1978
113	4410	HO Penn	1	1954	115	Copper

SOURCE: NCDH records.

(a) Common suction system – treated as one well.

(b) Well abandoned as a drinking supply; used for non-drinking purposes.

(c) Cr+6 – Chromates

Mn – Manganese

NO3 – Nitrates

Fe – Iron

MBAS – Detergents

T & O – Taste and Odor

H2S – Hydrogen Sulfide

NH3 – Ammonia

NASSAU COUNTY DEPARTMENT OF HEALTH

**DEEPENED PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 – 1990**

	NYSDEC N#	WATER SUPPLY	WELL No.	DATE DRILLED	DEPTH (FT)	DATE DEEPPENED	DEPTH (FT)	REASON (a)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	6915	Bethpage	10	1961	515	1976	608	Screen Collapse
2	2748	Carle Place	2	1949	332	1971	550	NO3
3	3456	East Meadow	1	1950	320	1974	580	NO3
4	3465	"	3	1950	302	1975	585	NO3
5	5318	"	6	1956	310	1977	633	Fe
6	5320	"	8	1956	384	1978	648	Fe
7	4390	Jamaica	40	1954	105	1966	296	Capacity
8	7649	"	57	1964	205	1986	340	Turbidity
9	4077	"	35	1953	90	1988	160	Capacity
10	5303	Levittown	13	1955	506	1985	736	Fe
11	5301	"	11	1955	377	1988	-	NO3
12	5304	"	14	1956	472	1989	-	Fe, H2S
13	2578	LIWC	7-2	1956	88	1988	325	NO3, Capacity
14	8183	Oyster Bay	6-1	1968	230	1989	500	Organics
15	5195	RVC	9	1955	340	1981	505	Pulled Sand
16	5484	Roosevelt Field	1	1956	287	1973	575	Pulled Sand
17	5485	"	2	1956	279	1972	557	Pulled Sand
18	5486	"	3	1956	263	1973	559	Pulled Sand
19	4757	Uniondale	2	1955	323	1980	633	Capacity, Fe, Sand
20	4756	"	1	1955	307	1985	635	Fe
21	4759	"	4	1955	355	1985	635	Fe
22	4758	"	3	1956	446	1980	630	Turb, Fe
23	101	Westbury	6	1943	335	1970	341	Capacity
24	5007	"	10	1955	259	1987	494	NO3
25	5654	"	11	1956	335	1987	538	NO3

SOURCE: NCDH records.

- | | | |
|------------------------|-------------------|------------------------|
| (a) Cr+6 – Chromates | Mn – Manganese | NO3 – Nitrates |
| Fe – Iron | MBAS – Detergents | T & O – Taste and Odor |
| H2S – Hydrogen Sulfide | NH3 – Ammonia | Turb – Turbidity |

NASSAU COUNTY DEPARTMENT OF HEALTH

**RESTRICTED PUBLIC WATER SUPPLY WELLS—NASSAU COUNTY
INORGANIC CHEMICALS**

NOVEMBER 20, 1990

WATER SUPPLY	NYSDEC N-No.	LOCAL No.	DEPTH (FT.)	DATE RESTRICTED	CHEMICAL	STATUS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COMMUNITY WELLS						
1 Garden City Pk W.D.	2565	3	405	1966	Nitrate	Not Used
2 N Y Water Service	3893	2S	151	1966	Nitrate	Not Used
3 Bayville Village	7643	1-2	218	1967	Nitrate	Not Used
4 Williston Pk Village	2487	3	338	1967	Nitrate	Not Used
5 Carle Place W.D.	2747	1	328	1969	Nitrate	Not Used
6 Garden City Pk W.D.	8409	9	400	1969	Nitrate	Treated
7 Great Neck No. W.A.	30	1	203	1970	Chloride	Not Used
8 Garden City Pk W.D.	651	2	340	1970	Nitrate	Blended
9 Garden City Pk W.D.	3673	5	429	1970	Nitrate	Not Used
10 Bethpage W.D.	6078	9	275	1971	Nitrate	Blended
11 Hicksville W.D.	6191	7-2	550	1973	Nitrate	Blended
12 Roosevelt Fld. W.D.	6046	4	175	08/13/76	Nitrate	Not Used
13 Mineola Village	578	3	407	03/28/77	Nitrate	Not Used
14 Levittown W.D.	5301	11	377	08/22/77	Nitrate	Not Used
15 Garden City Pk W.D.	650	1	346	08/22/77	Nitrate	Blended
16 East Meadow W.D.	4447	4	330	09/20/78	Nitrate	Not Used
17 Hicksville W.D.	3953	6-1	419	07/06/79	Nitrate	Not Used
18 Levittown W.D.	2580	3	357	08/25/81	Nitrate	Blended
19 East Meadow W.D.	3457	2	320	08/02/83	Nitrate	Not Used
20 Hicksville W.D.	6183	8-2	467	09/12/83	Nitrate	Blended
21 Plainview W.D.	4097	3-1	463	08/21/85	Nitrate	Blended
22 Plainview W.D.	6076	4-1	358	08/21/85	Nitrate	Blended
23 East Meadow W.D.	3456	1	555	11/28/89	Nitrate	Not Used
24 Hicksville W.D.	8525	3-2	503	04/16/90	Nitrate	*
25 Jamaica W.S. Co	693	15D	93	05/01/90	Nitrate	*
26 Hicksville W.D.	8249	1-5	490	11/20/90	Nitrate	*

* Blending proposed.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY WELLS WITH EXISTING OR
POTENTIAL RESTRICTIONS DUE TO VOLATILE ORGANIC CHEMICALS
DECEMBER 31, 1990

WATER SUPPLY	NOT USED		TREATMENT **		
	RESTRICTED FOR EXCEEDING GUIDELINES	VOLUNTARILY NOT USED, COULD EXCEED MCLs	TREATED TO MEET MCL	TREATED DID NOT EXCEED MCL	TREATMENT PLANNED
	(1)	(2)	(3)	(4)	(5)
COMMUNITY SYSTEMS					
ALBERTSON W.D.	NONE	NONE	3,4		
BAYVILLE (V)	1-2	NONE			
BETHPAGE W.D.	NONE	NONE	6-1	6-2*	
BOWLING GREEN W.D.	NONE	NONE			1*,2*
CARLE PLACE W.D.	NONE	NONE			
DeFOREST DRIVE ASSOC	NONE	NONE			
EAST MEADOW W.D.	NONE	2,4			
EAST WILLISTON (V)	NONE	NONE			
FARMINGDALE (V)	NONE	NONE			
FRANKLIN SQUARE W.D.	NONE	NONE			
FREEPORT (V)	NONE	NONE			
GARDEN CITY PK W.D.	4,5	9	6		9,7*,10*
GARDEN CITY (V)	NONE	9,11,12,	10,13,14		11
GARDEN CITY SOUTH W.D.	NONE	NONE			
GLEN COVE CITY	1-S,21	2-S	KELLY ST		
GLENWOOD W.D.	NONE	NONE			
GREAT NECK NORTH, W.A. OF	NONE	NONE	21A,9		8*
HEMPSTEAD (V)	1-R	6		2*	1-R,6
HICKSVILLE W.D.	NONE	1-4,2-2,4-2	5-2		4-2
		6-1	1-5,1-6 8-1,8-3		
JAMAICA W.S. CO.	NONE	15D,44,44A 44C	57,57A,40 20,35,35A	40A*	
JERICHO W.D.	NONE	15			
LEVITTOWN W.D.	NONE	10			
LIDO-PT LOOKOUT W.D.	NONE	NONE			
LOCUST VALLEY W.D.	NONE	NONE			
LONG BEACH CITY	NONE	NONE			
LONG ISLAND W. CORP.	NONE	1-16,5R			5R
MANHASSET-LAKE W.D.	6	7,23,5T,6T			7,22* 4T*,12*,6 5T,6T

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY WELLS WITH EXISTING OR
POTENTIAL RESTRICTIONS DUE TO VOLATILE ORGANIC CHEMICALS
DECEMBER 31, 1990

WATER SUPPLY	NOT USED		TREATMENT **		
	RESTRICTED FOR EXCEEDING GUIDELINES	VOLUNTARILY NOT USED, COULD EXCEED MCLs	TREATED TO MEET MCL	TREATED DID NOT EXCEED MCL	TREATMENT PLANNED MCL
(1)	(2)	(3)	(4)	(5)	(6)
MASSAPEQUA W.D.	NONE	NONE			
MILL NECK ESTATES W.S.	NONE	NONE			
MINEOLA (V)	NONE	4			4
NEW YORK WATER SERVICE	NONE	NONE			
N/E FARMINGDALE W.D.	NONE	NONE			
NO SHORE UNIV HOSP @ GC	NONE	NONE			
OLD WESTBURY (V)	NONE	NONE			
OYSTER BAY W.D.	NONE	NONE			
PLAINVIEW W.D.	NONE	NONE			5-1*,5-2* 5-3*,5-4*
PLANDOME (V)	NONE	NONE			
PLANTING FIELDS W.S.	NONE	NONE			
PT WASHINGTON W.D.	NONE	NONE	MP-9	H4*,SH1*,SH2*	
ROCKVILLE CENTRE (V)	NONE	NONE			
ROOSEVELT FIELD W.D.	NONE	NONE			
ROSLYN W.D.	NONE	2			
SANDS POINT (V)	NONE	NONE			
SEA CLIFF WATER CO	NONE	NONE			
SO FARMINGDALE W.D.	NONE	NONE			
SPLIT ROCK W.S.	NONE	NONE			
SWAN COVE W.S.	NONE	NONE			
UNIONDALE W.D.	NONE	NONE			
WESTBURY W.D.	NONE	6			
WEST HEMPSTEAD W.D.	NONE	4			
WILLISTON PARK (V)	NONE	NONE		4*	3*
NON-COMMUNITY SYSTEMS					
BETHPAGE ST PARK	1	NONE			
SAGAMORE HILL	NONE	2			

* MCLs were not exceeded in these wells.

** Treatment by Air-Stripping unless noted.

GAC Treatment

NASSAU COUNTY DEPARTMENT OF HEALTH

WELLS RESTRICTED BY YEAR IN NASSAU COUNTY 1976-1990
COMMUNITY AND NON-COMMUNITY PUBLIC WATER SYSTEMS

YEAR	WATER SUPPLY NUMBER of SYSTEMS	VOLATILE ORGANIC CHEMICALS DURING YEAR				INORGANIC CHEMICALS DURING YEAR				% CLOSED END OF YEAR			% CLOSED	
		RESTRICTED BY NCDH	VOLUNTARILY REMOVED FROM SERVICE BY SUPPLIER	REOPENED WITH TREAT- MENT	TOTAL CLOSED END OF YEAR	% CLOSED	CLOSED	REOPENED	TOTAL CLOSED END OF YEAR	(10)	(11)	(12)		
1976	80	438	16	-	0	-	16	3.7%	1	1	20	4.6%		
1977	81	435	13	-	16	-	13	3.0%	3	4	19	4.4%		
1978	79	440	10	-	5	-	18	4.1%	3	1	21	4.8%		
1979	71	434	2	-	7	-	13	3.0%	1	1	21	4.8%		
1980	68	428	4	-	5	-	12	2.8%	1	2	20	4.7%		
1981	66	427	3	-	2	-	13	3.0%	1	0	21	4.9%		
1982	64	426	0	-	3	-	10	2.3%	0	0	21	4.9%		
1983	64	421	5	-	3	-	12	2.9%	3	1	23	5.5%		
1984	62	419	1	-	0	1	12	2.9%	1	0	24	5.7%		
1985	61	421	2	-	0	1	13	3.1%	2	0	26	6.2%		
1986	61	418	3	-	2	3	11	2.6%	0	0	26	6.2%		
1987	61	418	1	-	0	-	12	2.9%	0	1	25	6.0%		
1988	60	422	1	-	0	1	12	2.8%	0	2	23	5.5%		
1989	58	416	0	48	8	6	48	11.1%	1	1	23	5.5%		
1990	58	421	0	6	3	7	42	10.0%	3	0	26	6.2%		

(4) Wells exceeding NYS organic chemical guidelines of 60 ug/l for individual organics or 100 ug/l for total organics.

(5) Wells voluntarily removed from service by the suppliers during 1989 based on testing results during 1988 and/or 1989 exceeding MCL of 5 ug/l for individual compounds established on January 9, 1989.

(6) Wells which have improved in quality, were abandoned or are no longer used for drinking purposes.

(7) Wells can only be used with VOC removal treatment.

(8) Wells closed at the end of each year.

(9) Wells exceeding nitrate, chloride, mercury or corrosivity standards.

(10) Wells which improved in quality, were abandoned or are no longer used for drinking purposes.

(11) Wells may be used by blending with other wells to meet the nitrate standard.

(12) Wells closed at the end of each year.

NASSAU COUNTY DEPARTMENT OF HEALTH

**PROGRAMS AND ACTIONS TAKEN TO CONTROL SOURCES
OF GROUNDWATER CONTAMINATION IN NASSAU COUNTY (a)**

Sources of groundwater contamination have been identified and corrected for many years. Programs and corrective actions taken in Nassau County are:

- Installation of sanitary sewers**
- Ban on phosphate in detergent products**
- Ban on use of cesspool cleaners containing volatile organic chemicals**
- Inspection, testing and replacement of underground gasoline storage tanks**
- Control program for industrial wastewater discharges**
- Phase out of municipal landfills**
- Elimination of open storage of road salt compounds**
- Regulation of toxic and hazardous material storage and handling**
- Regulation of population density and exclusion of industrial wastewater discharges in Special Groundwater Protection Areas**
- Elimination of the discharge of hazardous materials to on-site disposal systems at automotive repair facilities.**

(a) Programs undertaken by local and state agencies, including NCDH, to control pollution sources.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER
PROTECTION PROGRAMS AND ACTIVITIES

A. WATER SUPPLY REGULATION ACTIVITIES

1. Enforce Federal and State Water Quality Standards

Monitoring requirements based on federal and state water quality standards are developed and enforced. Frequency and results of testing are analyzed to determine violations. State and public notifications are made where required. Corrective action to eliminate violations is undertaken.

2. Perform Routine Comprehensive Water Testing to Augment Monitoring of Quality by Public Water Systems

Routine monitoring of 421 public wells and the tap water in 58 water supply systems is performed by the Department for organic chemicals, inorganic chemicals, heavy metals and bacteriological quality. This is in addition to the required quality monitoring performed by each water supplier.

3. Regulate Production, Treatment, Storage and Distribution of Water

Public water suppliers are required to obtain the approval of the Department of Health prior to the construction of any new or modified water supply facilities including wells, storage tanks, water mains and water treatment facilities. Engineering plans and specifications must also be submitted for the approval of any new devices to prevent backflow of contaminants into the drinking water system. During 1990 plans were approved for 105 new or modified water supply facilities and over 2,900 new backflow prevention device installations. Regular inspections are also performed by the Department of Health to assure that water supply facilities are operated and maintained in accordance with State and local health department requirements. All 58 public water systems in the county were inspected during 1990 to assure that a safe and adequate water supply is provided to consumers.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER
PROTECTION PROGRAMS AND ACTIVITIES

A. WATER SUPPLY REGULATION ACTIVITIES (CONT'D)

4. Train and Approve Qualifications of Water Plant Operators

All water treatment plants and distribution systems must be under the responsible charge of a certified water plant operator and assistant operator. Candidates for operator and assistant operator grades must meet specified requirements of experience and education including successful completion of appropriate level water treatment operator courses. The Department accordingly reviews the qualifications of all water plant operator candidates by conducting field evaluations and tests and provides periodic water treatment plant operator courses and seminars to train operators. Currently over 400 certified water plant operators have been evaluated and certified by the Department and are at work in the public water systems in Nassau County.

5. Conduct Comprehensive Studies of Aquifers to Identify Contaminant Levels and Trends as a Basis for Corrective Action

Comprehensive studies of areas of known groundwater contamination by organic chemicals are undertaken to identify the level, extent and movement of the contaminants as a basis for developing corrective programs. Areas studied or under study include: Mitchel Field, Roosevelt Field, New Cassel, New Hyde Park, Garden City Park, Hicksville (2 sites), Bethpage-Hicksville-Levittown, Glen Cove and Woodbury. A study was undertaken during 1990 in the Levittown area to determine if underground No. 2 Fuel Oil tank leaks are causing significant groundwater contamination.

6. Respond to Water Supply Emergencies and Orders Immediate Measures to Protect Public Health

The Department investigates complaints of substandard water quality and by the use of its laboratory is able to determine if any instances of drinking water contamination occur. Where necessary, the Department may order the chlorination of a water supply on an emergency basis, order the removal of contaminated sources of water supply or require other actions by water suppliers to prevent or eliminate contamination. Water suppliers are obligated to report emergency conditions and are required to prepare written plans to provide safe drinking water to all consumers during an emergency.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER
PROTECTION PROGRAMS AND ACTIVITIES

A. WATER SUPPLY REGULATION ACTIVITIES (Cont'd)

7. Conduct Studies of the Aquifer System to Evaluate Natural
and Man-Made Influences as a Basis for Effective Groundwater
Management

Studies of the aquifer system are conducted by the Department in cooperation with the United States Geological Survey, the United States Environmental Protection Agency, the New York State Department's of Health and Environmental Conservation, the Nassau County Department of Public Works, the Long Island Regional Planning Board and Suffolk County agencies.

Groundwater management strategies and plans include the Long Island Areawide Wastewater Management Study (208 Study), the 1980 Nassau County Master Water Supply Plan, the Long Island Regional Groundwater Management Plan, the Long Island Groundwater Management Strategy and the Special Groundwater Protection Area Study.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER
PROTECTION PROGRAMS AND ACTIVITIES

B. AQUIFER PROTECTION ACTIVITES

1. Regulate Discharges to Groundwater of Industrial Wastewater, Sewage Treatment Plant Effluent and On-Site Sewage Systems

Discharges of treated liquid waste to the ground and surface waters of the State are regulated and controlled by the Department under the State Pollution Discharge Elimination System (SPDES). Under this program, 11 industrial, 30 oil terminal, 13 municipal and 5 non-municipal sewage treatment facilities are permitted and monitored.

2. Control Generation and Disposal of Hazardous Wastes Through State and County Law

Generators of industrial hazardous wastes are regulated by having these wastes removed by permitted industrial scavengers. About 200 facilities which generate more than 100 kilograms (200 pounds) per month are under permit.

3. Regulate Storage, Handling and Disposal of Hazardous and Toxic Substances

The storage of hazardous materials is regulated by Nassau County Public Health Ordinance Article XI which controls storage of chemicals, petroleum products and regulated medical wastes. This ordinance requires proper storage and monitoring of storage facilities involving storage tanks and smaller containers. Gasoline tanks are similarly regulated by the Office of the Fire Marshall.

4. Advocate Municipal Sewering and Insures Connection to Sewers Where Available

Municipal sewers protect groundwater from contamination. Over 90 percent of the County population is served by municipal sewer systems. In 1990 there were approximately 20,000 homes and other buildings in sewered areas which remain to be connected to the sewers.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER
PROTECTION PROGRAMS AND ACTIVITIES

B. AQUIFER PROTECTION ACTIVITES (Cont'd)

5. Regulate Population Density in Special Groundwater Protection Areas to Reduce Nitrate Contamination

Development within approximately 51 square miles in Special Groundwater Protection Areas (SGPA) is limited to a density of not greater than one home per 40,000 square feet or equivalent for commercial development by Nassau County Public Health Ordinance Article X. The discharge of industrial wastewater is prohibited in these areas. The special areas are in the northern half of the county.

6. Respond to Spills of Toxic Chemicals, Including Petroleum Products, to Insure Containment, Clean-up and Correction of Groundwater Contamination

Department staff respond to spills of chemicals or abandoned containers of chemicals including petroleum products. Technical guidance is provided to Fire and Police Departments as well as other emergency services. The Department also prepares documents to support legal action against polluters.

7. Identify and Assess Threats to Groundwater Quality from Inactive Hazardous Waste Sites. Provides Technical Guidance to Federal and State Superfund Investigations

The Department collects and analyzes thousands of samples of chemicals, contaminated soil and water each year to evaluate the impact on the environment. Staff engineers and other scientists work with Federal and State agencies in preparing reports of investigations. Sites which are identified as containing hazardous wastes are referred to the State for listing as superfund sites.

8. Survey Industrial and Commercial Facilities on a Regular Basis to Identify and Gain Correction of Illegal Discharges of Chemicals to the Goundwater

Surveys of industrial and commercial facilities in the county have been on-going since 1976. During this time, over 3,500 survey inspections have been conducted identifying approximately 2,000 users of chemicals and/or generators of chemical waste.

NASSAU COUNTY DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER
PROTECTION PROGRAMS AND ACTIVITIES

B. AQUIFER PROTECTION ACTIVITES (Cont'd)

9. Inspect automotive repair facilities as part of the USEPA's Underground Injection Control (UIC) Program to determine the existance of and to eliminate any floor drains which are potential sources of groundwater contamination.

When floor drains are found during inspections, the discharge point(s) are located where possible. Facilities are then required to submit closure plans to eliminate the discharge(s) to the groundwater, to perform investigations to determine the extent of any subsurface contamination and to remediate any contamination resulting from the discharges. During 1990, approximately 150 sites were inspected, 55 closure plans were reviewed and 60 closures were completed.

NASSAU COUNTY DEPARTMENT OF HEALTH
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